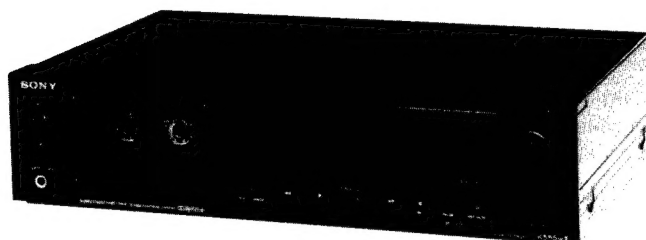


TC-K555ES II

SERVICE MANUAL

Canadian Model
AEP Model
E Model



SPECIFICATIONS

Recording system 4-track 2-channel stereo
Fast-forward and rewind time Approx. 90 sec. (with C-60 cassette)
Bias frequency 105 kHz
Signal-to-noise ratio (at peak level)

Cassette	Dolby NR switch	OFF	B-TYPE ON	C-TYPE ON
TYPE IV (Sony METALLIC)		60 dB	67 dB	73 dB
TYPE III (Sony FeCr)		62 dB	69 dB	75 dB
TYPE II (Sony UCX)		59 dB	66 dB	72 dB
TYPE I (Sony BHF or HFX)		56 dB	63 dB	69 dB

Total harmonic distortion 0.8 % (with Sony FeCr cassette)
Frequency response DOLBY NR OFF


- With TYPE IV cassette (Sony METALLIC)
20 - 19,000 Hz (± 3 dB) (DIN)
20 - 14,000 Hz (± 3 dB, 0 VU recording)
15 - 20,000 Hz
- With TYPE III cassette (Sony FeCr)
20 - 19,000 Hz (± 3 dB) (DIN)
15 - 20,000 Hz
- With TYPE II cassette (Sony UCX)
20 - 18,000 Hz (± 3 dB) (DIN)
15 - 19,000 Hz
- With TYPE I cassette (Sony BHF or HFX)
20 - 17,000 Hz (± 3 dB) (DIN)
15 - 19,000 Hz

Wow and flutter $\pm 0.04\%$ W, Peak (IEC)
 0.025% W, RMS (NAB)
Inputs Line inputs (phono jacks)
Sensitivity 77.5 mV (-20 dB)
Input impedance 47 k ohms


General
Power requirements 220 V ac, 50/60 Hz (AEP model)
(240 V ac adjustable by authorized Sony personnel)

120 V ac, 60 Hz (Canadian model)
110, 120, 220 or 240 V ac adjustable, 50/60 Hz (E model)
Power consumption 30 watts
Dimensions Approx. 430 \times 105 \times 330 mm (w/h/d)
(17 \times 4 $\frac{1}{4}$ \times 13 inches)
including projecting parts and controls
Approx. 6.6 kg (14 lbs 9 oz)
Weight
Outputs Line outputs (phono jacks)
Output level 0.44 V (-5 dB) at a load impedance of 47 k ohms
Load impedance over 10 k ohms
Headphone output
Output level, variable from 0.003 to 3 milliwatts at a load impedance of 32 ohms

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE  SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

STEREO CASSETTE DECK
SONY®



FEATURES

Rigid mechanism

- The capstan shaft is directly driven by the quartz locked servo BSL (brushless and slotless) motor which provides accurate rotation.
- Two pairs of capstan shafts and pinch rollers ensure uniform tape tension and stable tape-to-head contact. As a result, wow and flutter and modulation noise are greatly reduced.
- The capstan shaft bearing plate is reinforced with 3 mm thick aluminium plate to reduce unnecessary vibration.

High quality audio amp section

- The audio amp section uses independent right and left Dolby NR ICs and has a twin-mono construction in which right and left channel parts are located symmetrically, to obtain clear stereo sound without cross-talk.
- The signal path and head coil made of LC-OFC* (Linear Crystal Oxygen Free Copper) provide high quality sound.

Independent suspension 3-head system

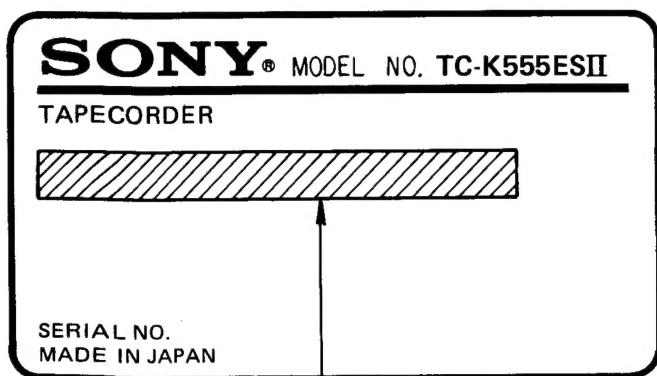
- With the independent suspension 3-head system, each head can be adjusted while it is installed in the mechanism.
- The record and playback heads are made of a laser amorphous magnetic alloy using LC-OFC winding. These highly durable heads provide a wider dynamic range and a more extended frequency response, especially in the high-frequencies.

Useful functions

- The digital linear counter indicates the recording or playback time elapsed on the tape so that the tape can be precisely indexed.
- Bright FL-display peak program meters follow the transient peaks of the music and maintain the peak readings.
- Using the optional remote control unit, various operations can be remotely controlled.
- A timer switch is provided to turn the deck on and off at preset times set using the optional timer.

MODEL IDENTIFICATION

— Specification Label —



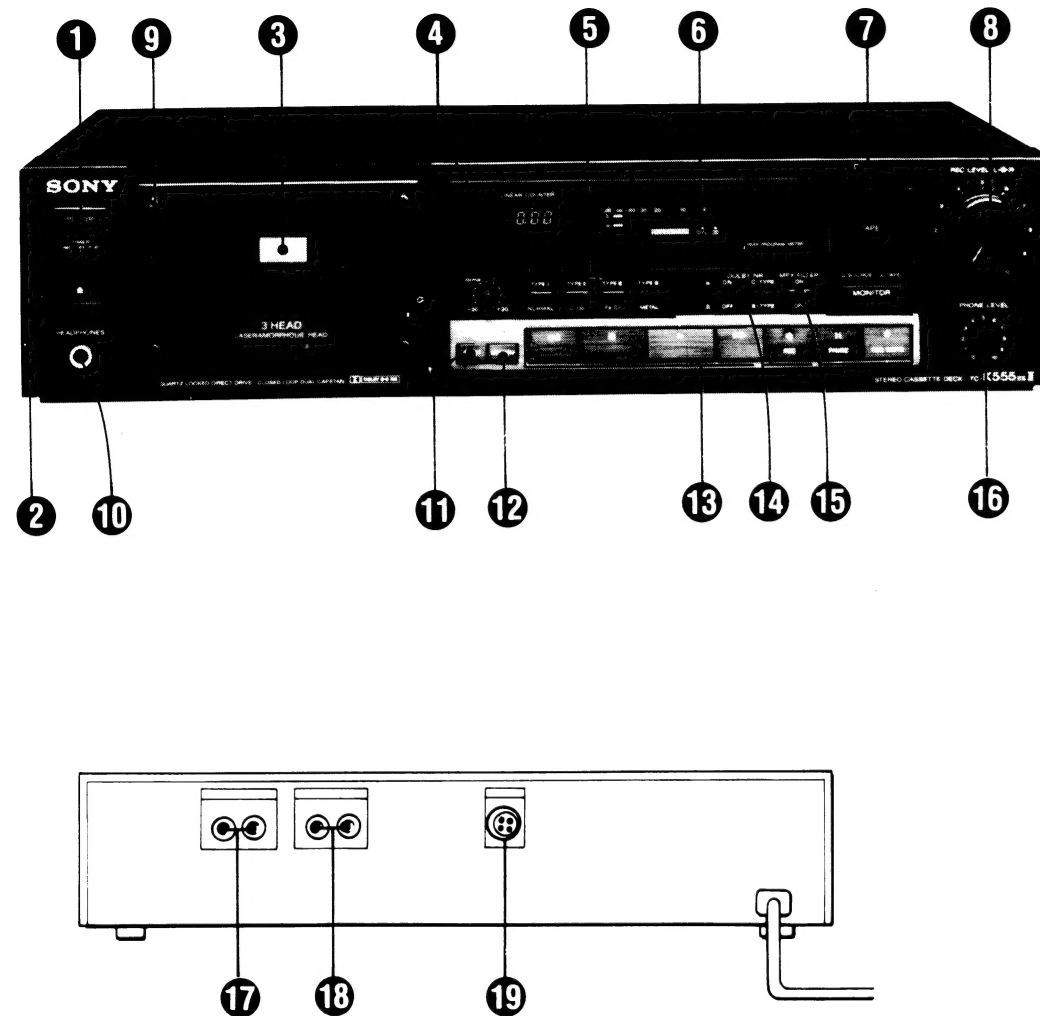
Canadian model: AC 120 V 60 Hz 30 W

AEP model: AC 220 V ~ 50/60 Hz 30 W

E model: AC 110, 120, 220, 240 V ~ 50/60 Hz 30 W

SECTION 1 OUTLINE

1-1 LOCATION AND FUNCTION OF CONTROLS



FUNCTION OF CONTROLS

1 POWER switch

Depress this switch to turn on the power. The lamp in the cassette holder, the display of the peak program meter and the tape counter will light up. The indicator lamp of the II (pause) button will blink for about 3 seconds, indicating that the function buttons are in-operative during this period. Press this switch again to turn the power off.

2 TIMER switch

You can set the unit to record or playback at a predetermined time by connecting any commercially available timer. To record, set this timer switch to REC. To play back, set it to PLAY.

3 Cassette holder

Insert the cassette into this holder. If the cassette holder is not completely closed, the function buttons cannot be operated.

4 LINEAR COUNTER

This counter indicates the tape running time.

5 TAPE select buttons and BIAS control

Depress one of the TAPE select buttons according to the type of tape to be used. When the appropriate button is depressed, the optimum equalization and bias current settings are obtained for recording, and the optimum equalization setting is obtained for playback. When recording using a TYPE I (NORM), TYPE II (CrO₂) or TYPE III (Fe-Cr) tape, adjust the BIAS control.

6 Peak program meters

With the MONITOR switch set to SOURCE, the meters show the peak input level of each channel, and to TAPE, the meters show recorded levels. They follow the transient peaks of high-level inputs that are too brief to be followed by conventional VU meters so that the optimum recording level can be accurately set. The highest input of each channel is held about 2.4 seconds on the scale, except when a higher peak occurs before 2.4 seconds have passed, in which case that peak is immediately indicated.

7 MONITOR switch and indicator

When adjusting the recording level, set this switch to the released position (SOURCE Δ) to allow monitoring of the sound to be recorded. During playback, depress this switch (TAPE Δ) to allow monitoring of the recorded sound. According to the MONITOR switch setting, "SOURCE" or "TAPE" will appear in the indicator window. During recording, use this switch to monitor either the source or the recorded sound.

8 REC LEVEL (recording level) controls

These controls adjust the recording level. The knob nearest the panel is for the left channel and the other knob for the right channel. To adjust the level of the left or right channel only, turn the appropriate knob while holding the other knob.

9 (eject) button

Press this button to open the cassette holder.

10 HEADPHONES jack

Headphones may be inserted either to monitor the input signals to be recorded or to listen to a recording in the playback mode. Headphone volume is adjustable with the PHONE LEVEL control.

11 COUNTER RESET button

Press this button to reset the tape counter to "0.00".

12 COUNTER MEMORY button

Press to rewind the tape to the "0.00" point on the tape counter. The word "MEMORY" is displayed below the tape counter. Pressing the \blacktriangle button together with the \blacktriangleleft button automatically starts playback from "0.00". When you do not use the memory function, press this button again. The word "MEMORY" will disappear.

13 Function buttons

It is possible to switch directly from one mode to another. The indicator lamps light when the tape deck is in the forward, record or pause mode.

\blacktriangleleft (rewind) button: Press this button to rewind the tape. This button is also used, with the \blacktriangle button, to initiate auto play.

\blacksquare (stop) button: To stop the tape, press this button. The tape will stop automatically when it is completely wound in either direction.

\blacktriangleright (forward) button: Press this button to play the tape back. To record, press this button while holding the \bullet button down.

$\blacktriangleright\blacktriangleright$ (fast-forward) button: Press this button to advance the tape rapidly.

\bullet (record) button: Press this button together with the \blacktriangleright button to start recording.

II (pause) button: To pause for a moment during recording or playback, press this button. This button is also used to control more precisely the start of recording and to release the record muting mode.

\square (record muting) button: Press this button to eliminate unwanted material and to insert a blank space during recording.

14 DOLBY NR switches

The left switch turns the Dolby NR* (Noise Reduction) system on and off and the right switch selects either the B-type or C-type Dolby NR system.

To record with the Dolby NR process, depress the ON/OFF switch to the ON position and choose B-TYPE (Δ) or C-TYPE (Δ). To record without the Dolby NR process, press the ON/OFF switch again to release.

When playing back, set these switches to the same position used in recording.

* "Dolby" and the double-D symbol are trade marks of the Dolby Laboratories Licensing Corporation. Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.

15 MPX FILTER switch

Normally set this switch to OFF.

When recording FM stereo broadcasts with the Dolby NR system, set it to ON if the 19 kHz pilot signal and the 38 kHz subcarrier have not been adequately suppressed by the FM tuner or receiver. If the tuner or the receiver suppresses such signals adequately (most high-quality tuners and receivers will), you do not have to set this switch to ON.

When your tuner is not equipped with the MPX filter or when the recorded FM broadcasting sound is audibly distorted, set this switch to ON.

16 PHONE LEVEL control

This control adjusts the headphone level. This setting does not affect the peak program meters or the output level of the LINE OUT jacks at the rear.

Rear panel

17 LINE IN (line input) jacks (phono jack)

Accepts tape outputs from an amplifier for tape recording and line outputs from another tape deck when duplicating a tape from that unit.

18 LINE OUT (line output) jacks (phono jack)

Accepts tape inputs from an amplifier for playing back a tape and line inputs from another tape deck for duplicating a tape onto that unit.

19 REMOTE control connector

Connect the optional RM-50, RM-51 (wired) or RM-80 (wireless) remote control unit to operate the tape transport functions from a distance. Synchronized operation is also possible with selected Sony turntables, using the optional RM-65 synchro remote control unit. Read the instruction manual of your remote control unit before operating it.

SECTION 1 OUTLINE

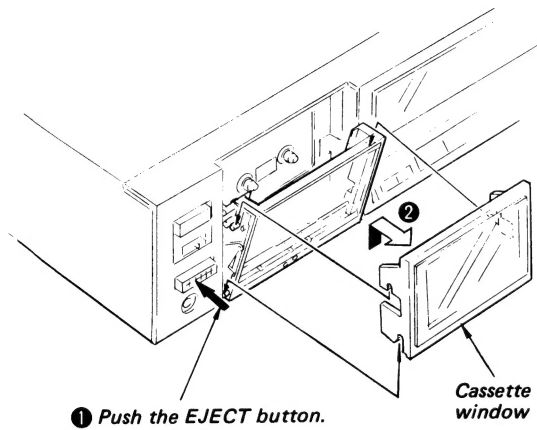
1-1. BLOCK DIAGRAM



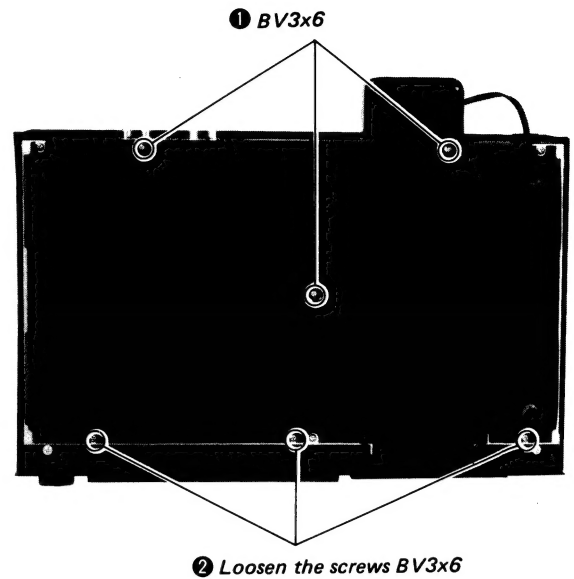
SECTION 2 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

CASSETTE WINDOW



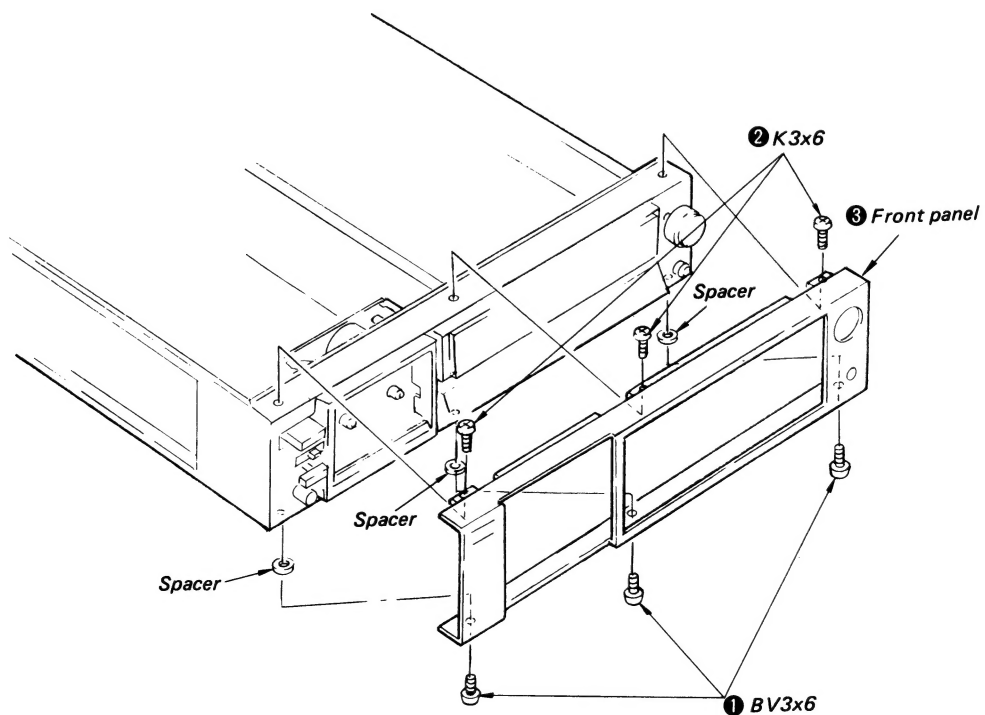
BOTTOM PLATE



CASE

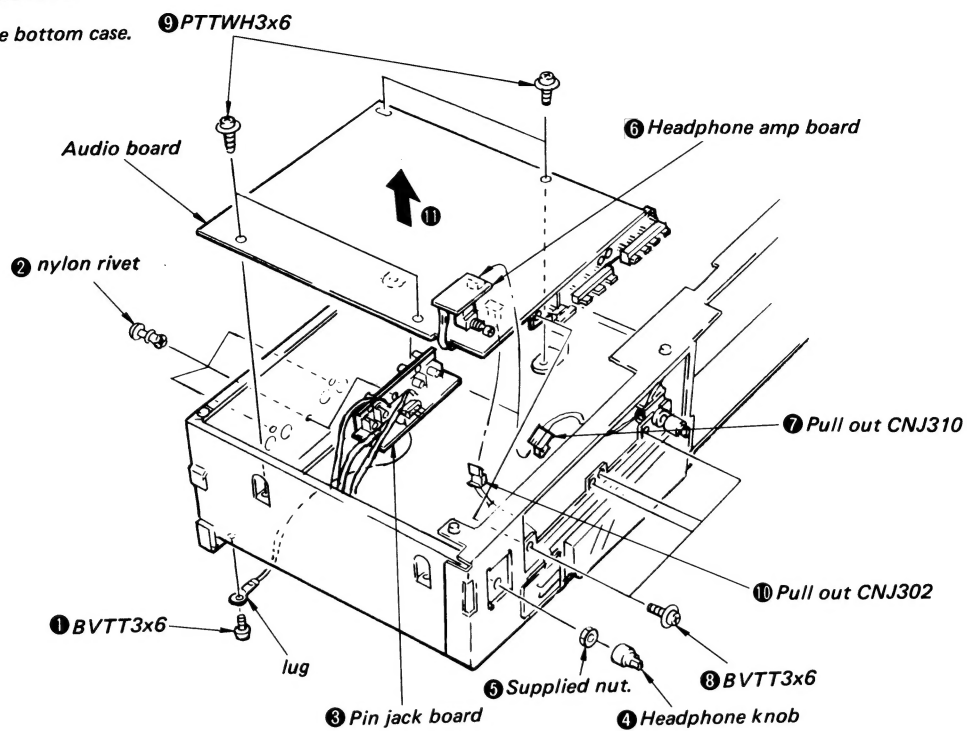
Remove four case screws at left and right side.

FRONT PANEL

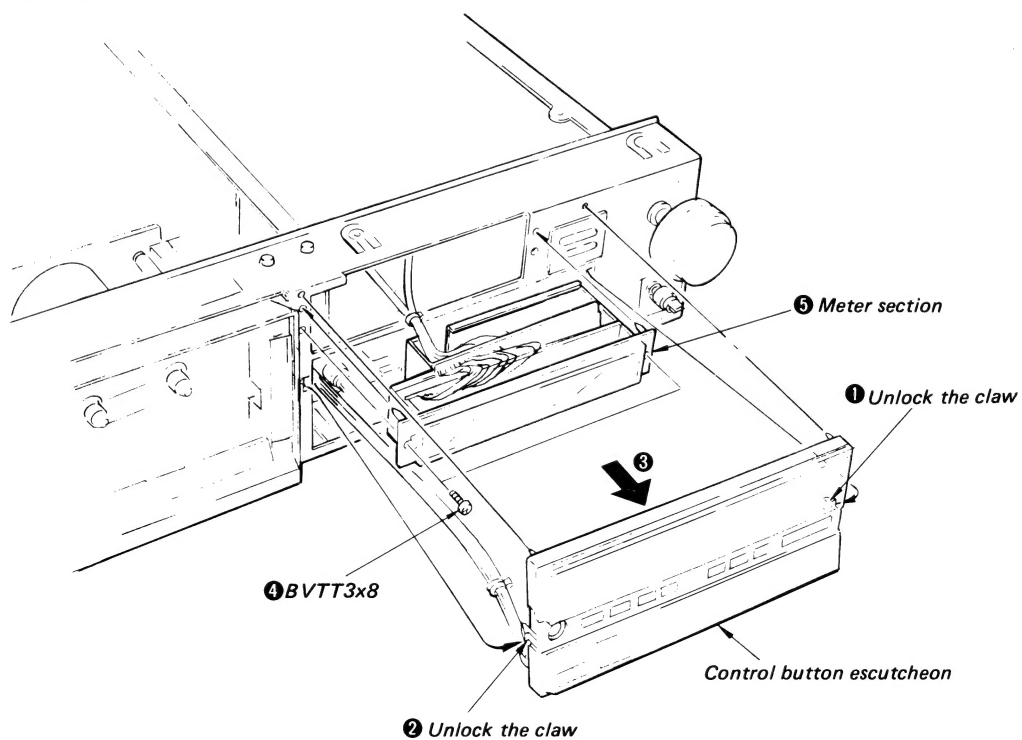


AUDIO BOARD

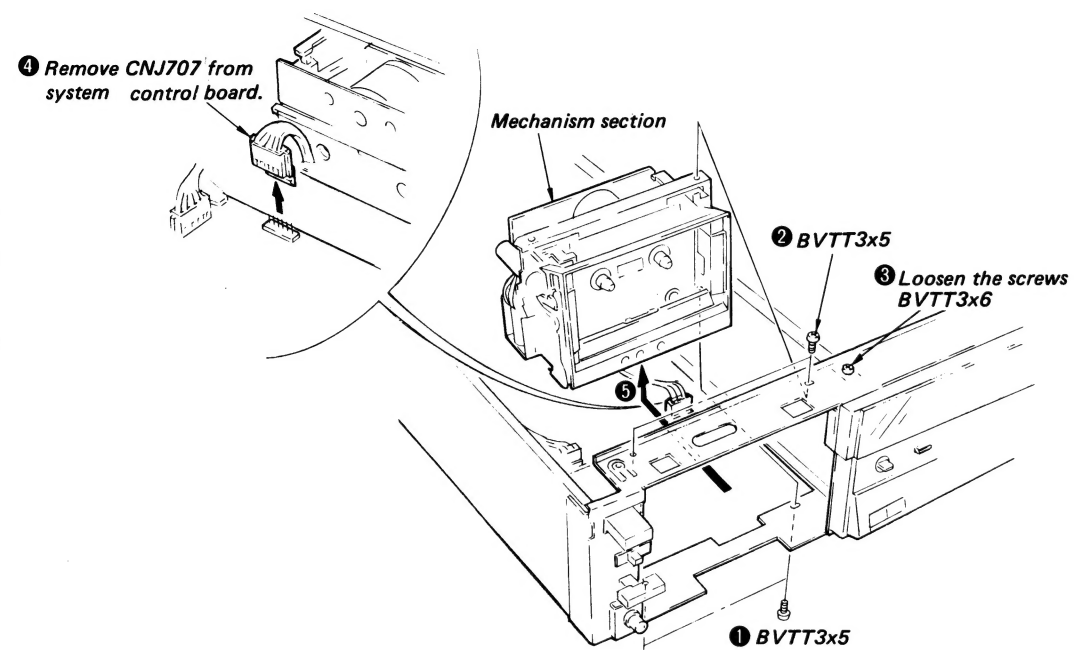
Remove the bottom case.



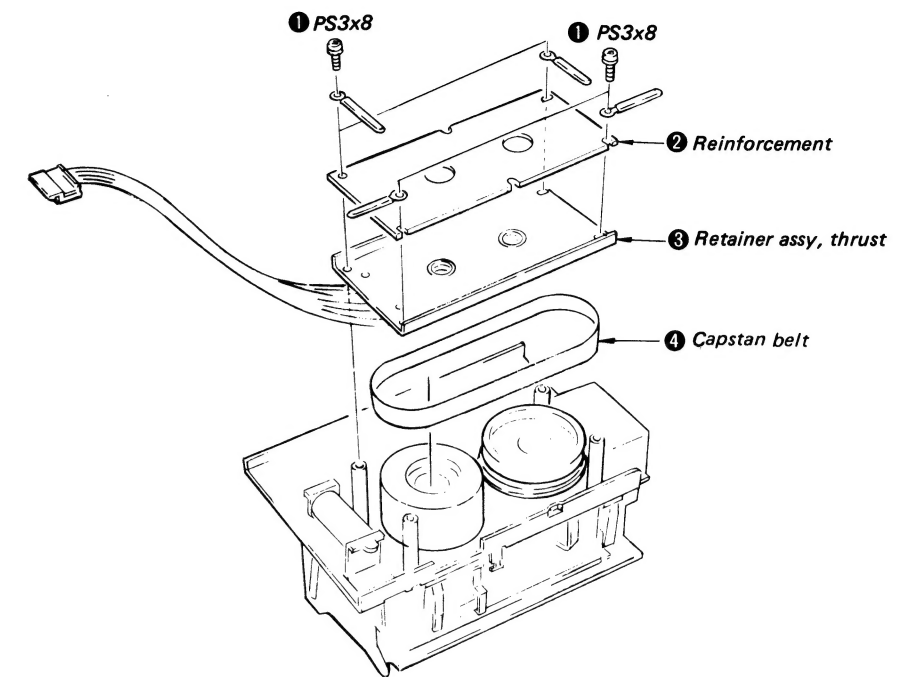
METER SECTION



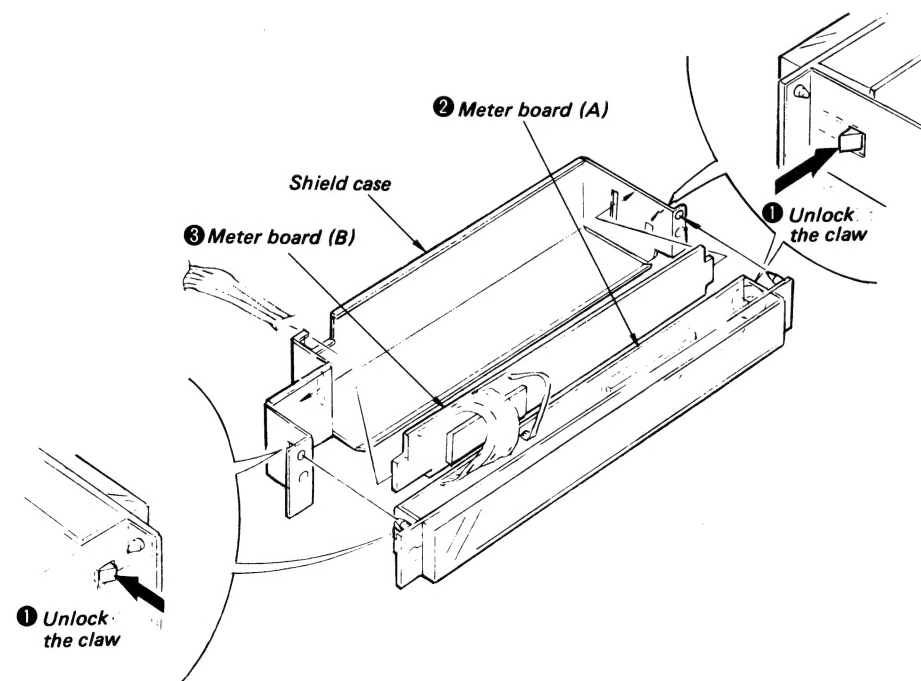
MECHANISM SECTION



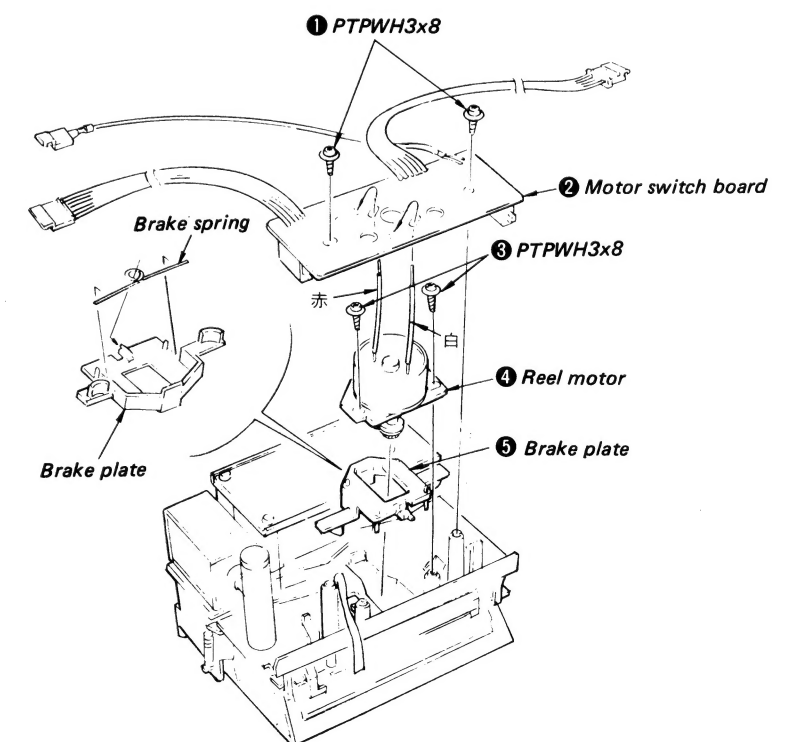
CAPSTAN BELT



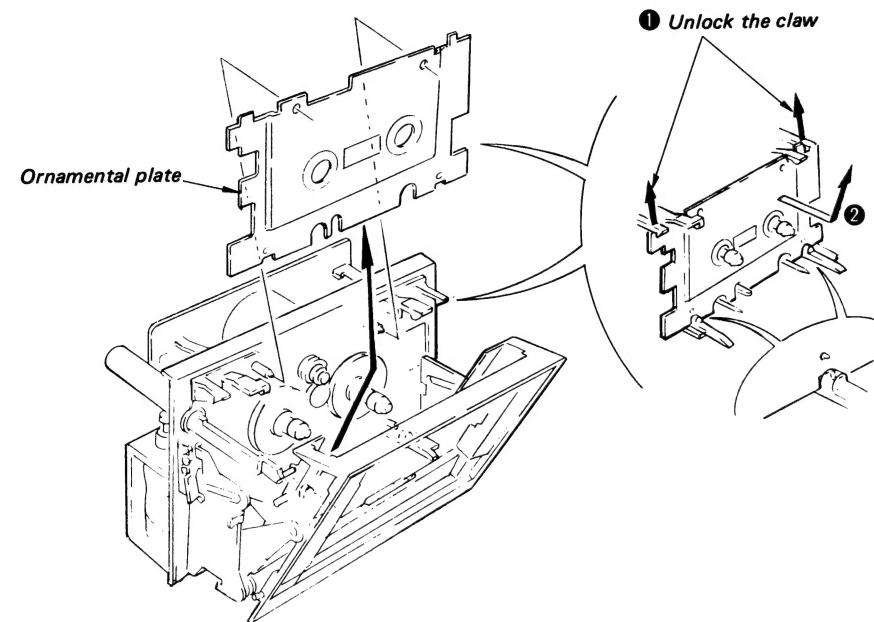
METER BOARD (A), (B)



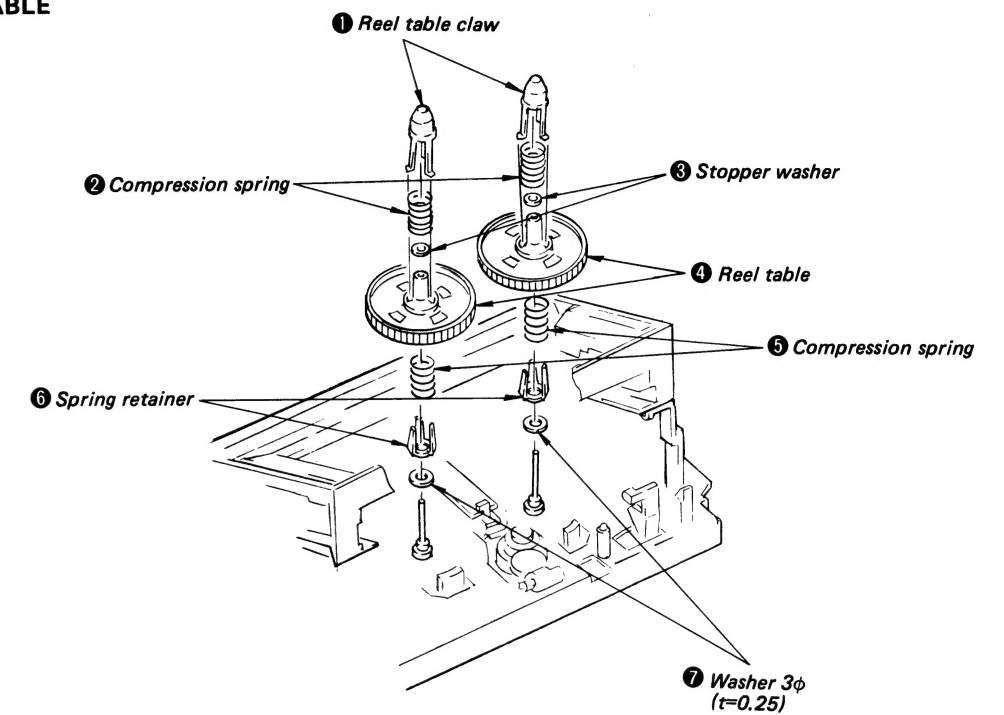
REEL MOTOR



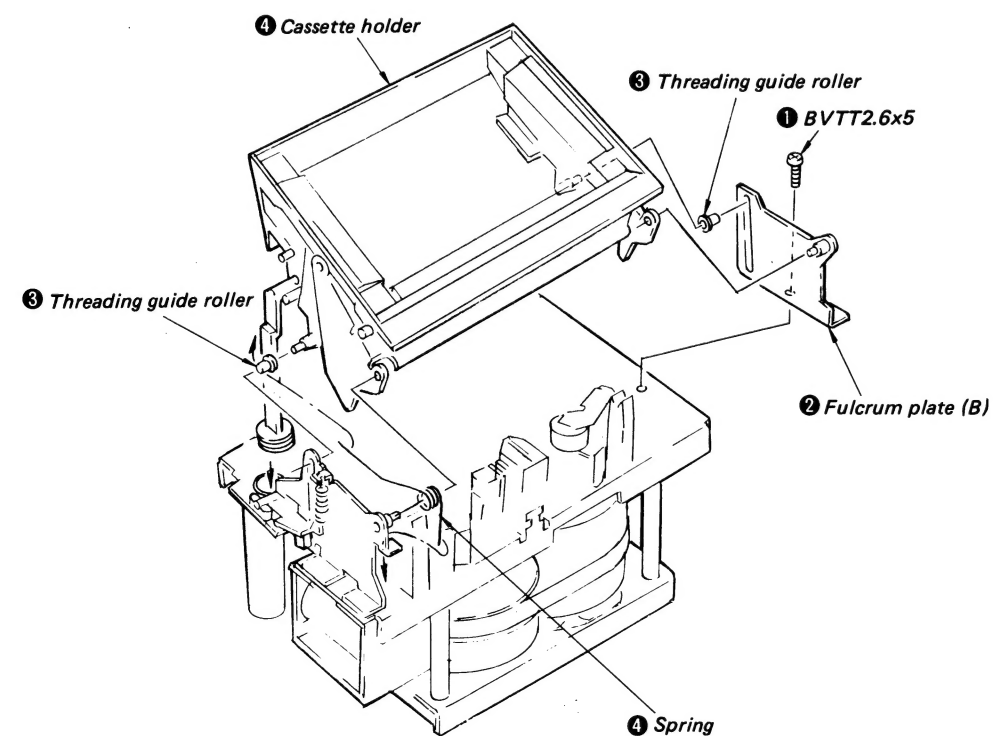
ORNAMENTAL PLATE



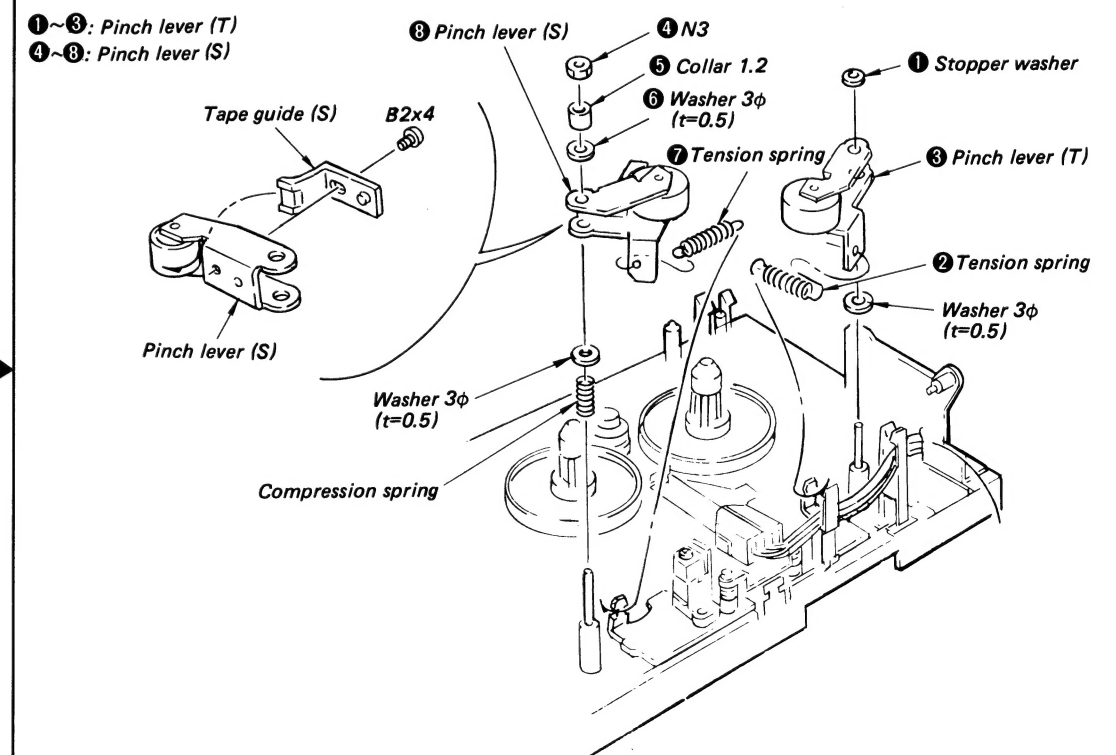
REEL TABLE



CASSETTE HOLDER



PINCH LEVER (T), (S)

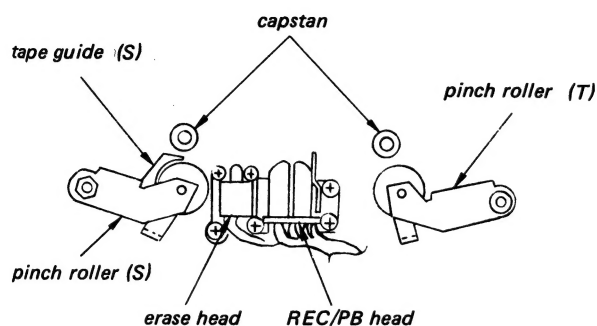


SECTION 3 ADJUSTMENTS

3-1 MECHANICAL ADJUSTMENTS

PRECAUTION

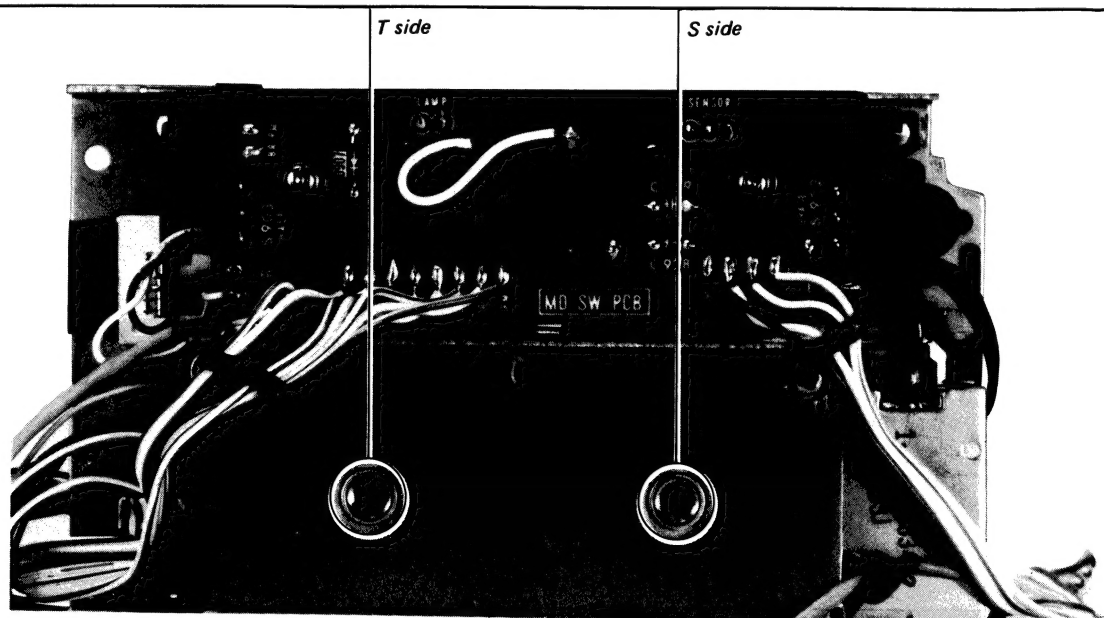
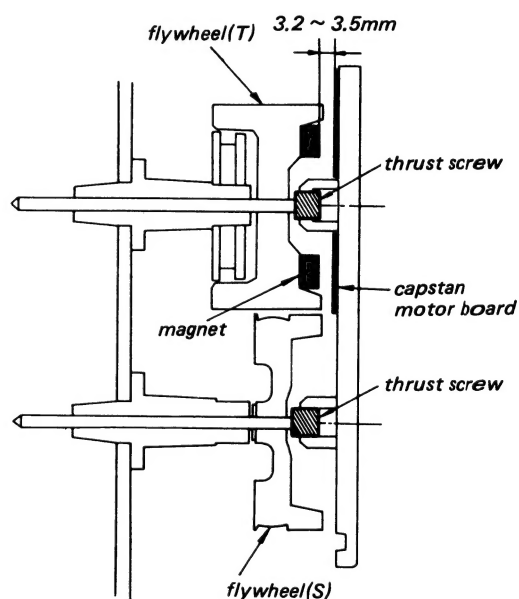
1. Clean the following parts with a denatured-alcohol-moistened swab:



2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Flywheel Thrust Adjustment

1. T-side flywheel thrust adjustment.
Turn the thrust screw until the clearance between the flywheel (T) and capstan motor board is 3.2 – 3.5mm.
2. S-side flywheel thrust adjustment
Lightly tighten the thrust screw clockwise until there is no play on the flywheel (S). Then loosen the thrust screw $\frac{1}{2} - \frac{3}{4}$ turns from that position.
3. After the adjustment, lock the screws with locking compound.

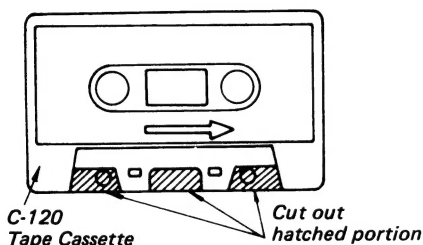


Head Height Adjustment

Procedure:

Prepare head height adjustment jig. If it is not obtained, perform the following procedures, Insert mirror tape cassette or the adjustment tape cassette illustrated below. Adjust three screws (a) - (b) so that tape is correctly passed in rec/pb head tape guide when head base plate is pushed by hand.

1. Prepare a mirror cassette or an adjustment cassette as shown below.

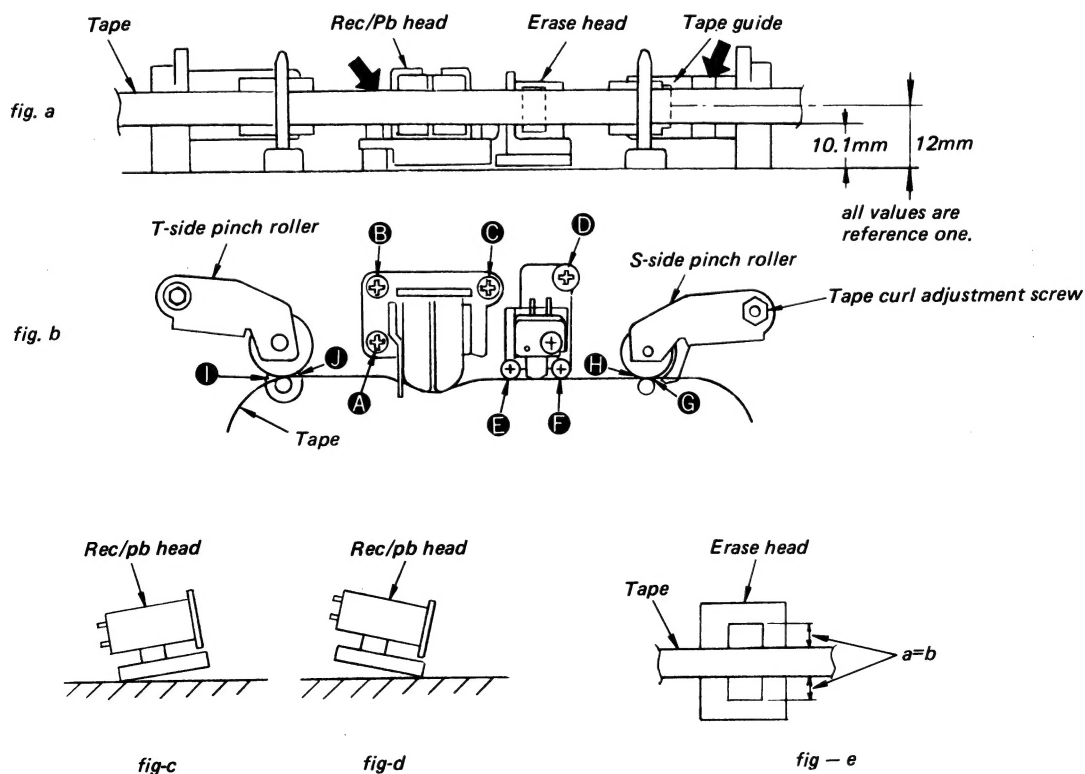


2. In FWD mode, and viewing from the front, take care to eliminate tape curl at the portion shown by the arrow in fig. a. If tape curl appears, eliminate it by moving the S-side pinch-roller tape guide up or down.

Adjustment location

Tape curl adjustment screw in fig-b.

(An extent of adjustment screw is with in $\frac{1}{2}$ turn.)



3. Apply no back tension, and make sure that tape running is straight at positions shown by (G) (H) (I) (J)

- 1 If tape running is meandered upwards (fig.b), incline the rec/pb head by adjusting the adjustment screws (B) (C) (See fig. c).

- 2 If tape running is meandered downwards (fig. b), incline the rec/pb head by adjusting the adjustment screws (B) (C) (See fig.d).

4. Make sure the height of erase head. (See fig.b). Make sure that upper core "a" is equal to lower core "b" as shown in fig.e.

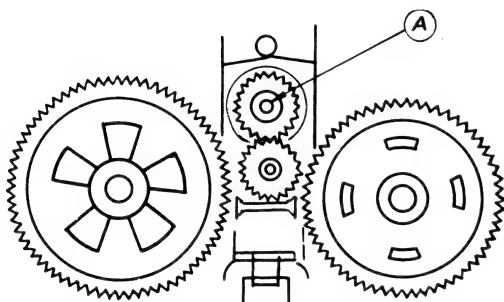
- 1 If necessary, adjust three head adjustment screws (D) (E) (F).

- 2 When erase head adjustment is made, make sure that head zenith adjustment is correct.

If necessary, adjust head zenith adjustment screw (D).

Forward Torque Adjustment

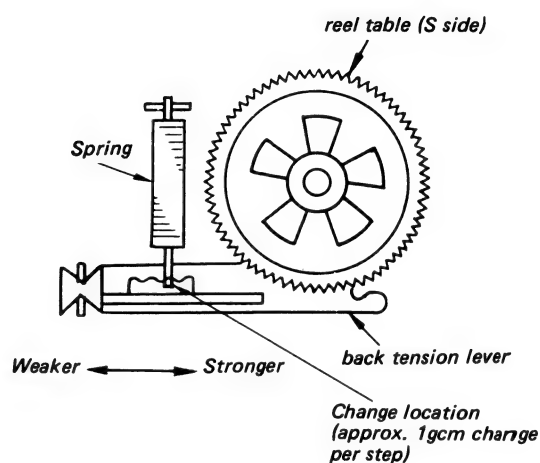
1. Remove the ornamental plate.
2. Press the cassette detection switch and T side reel table simultaneously by hand and then press the forward button. In this state, hold the T reel table so that it does not rotate.
3. Now adjust RV701 to the position where (A) begins to rotate.
(It will shut off immediately, so press the forward button to repeat.)



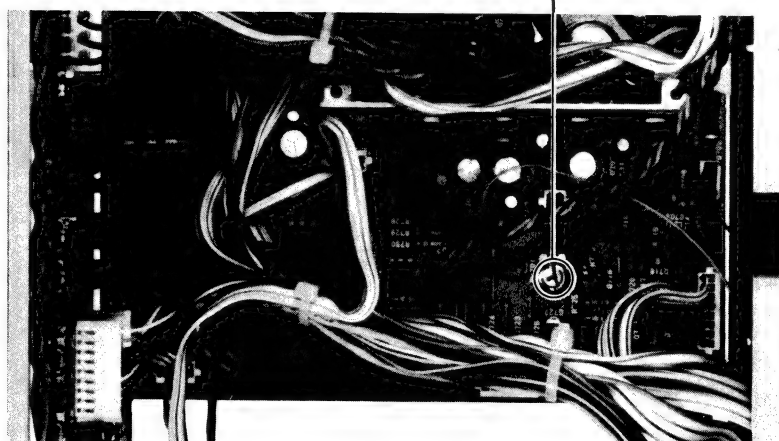
4. Next insert CQ-102C, and measure forward torque and back tension torque. If back tension torque is not within the specifications, change the location where the spring is hooked.

Specifications:

forward torque: 30 – 60 g·cm
back tension torque: 7 – 10.5 g·cm

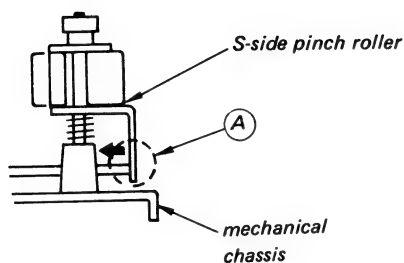


RV701



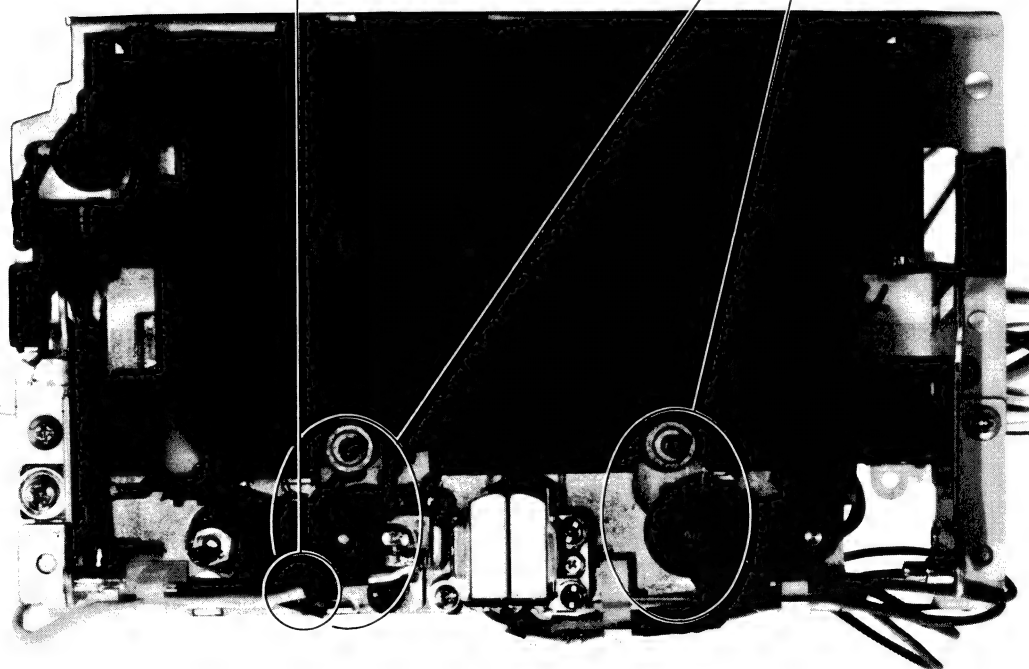
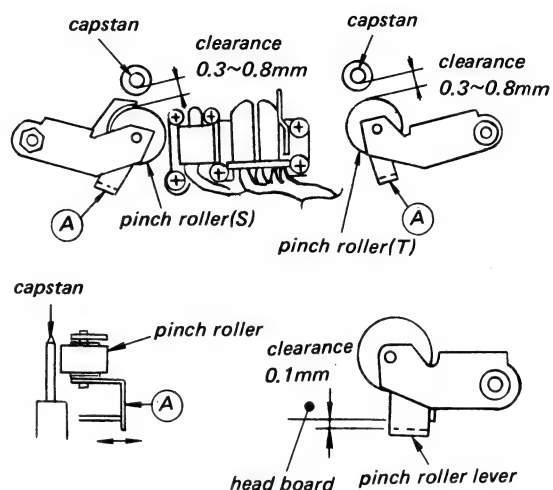
Pinch Roller Pressure Check

Slowly push the head base plate upward.
Confirm that T-side pinch roller begins to rotate earlier than S-side pinch roller.

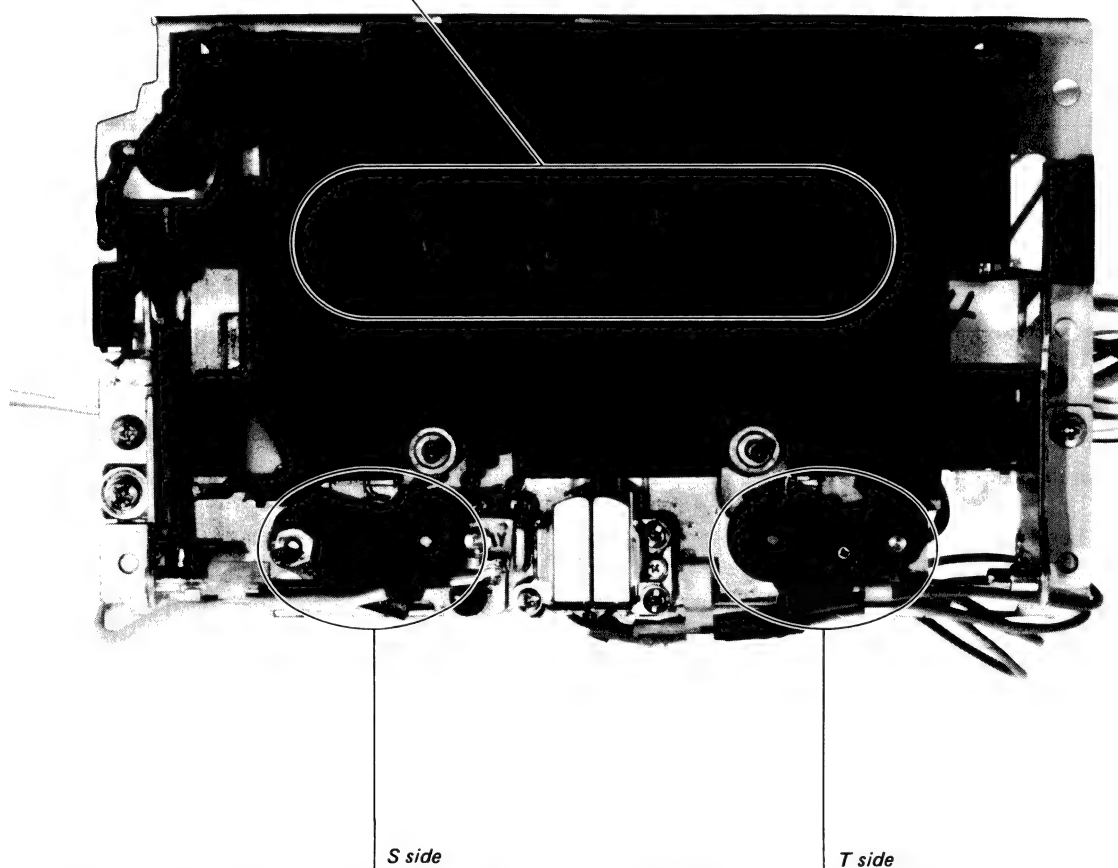


Pinch Roller Clearance Adjustment

1. Confirm that the clearance between the pinch roller and capstan is more than 0.3 mm in pause mode.
2. If it is less than 0.3 mm, bend (A) in the direction of the arrow.



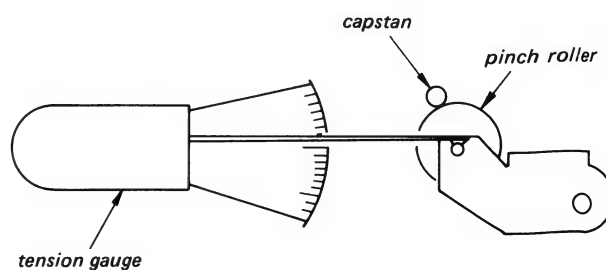
TORQUE	TORQUE METER	SPECIFICATION
FF, REW	CQ201B	60~120g·cm



Pinch Roller Pressure Measurement

1. Confirm that the pinch roller is parallel to the capstan.
2. Set in forward, move the pinch roller away from the capstan, then back toward it, and measure the value at the point where the pinch roller begins to rotate.

T side 270 – 330 g
S side 180 – 280 g



3-2. ELECTRICAL ADJUSTMENTS

1. The adjustments in the following sections are to be performed with the mechanism deck in the set.
 2. The adjustment should be performed in the order given in this service manual.
 3. The adjustments should be performed for both L-CH and R-CH.
- Set the TAPE select switches according to the tape as follows.

tape	TAPE select switch
CS-15	TYPE I
CS-26	TYPE II
CS-30	TYPE III
CS-40	TYPE IV

- Switch position

DOLBY NR OFF

TAPE TYPE 1

MPX FILTER OFF

TIMER OFF

- Standard Record:

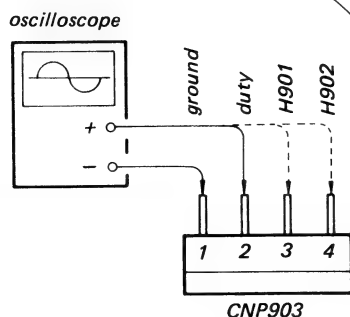
Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

Standard Input Level

	LINE IN
source impedance	10k Ω
input level	0.25V (-10dB)

Standard Output Level

	LINE OUT
load impedance	47k Ω
output level	0.44V (-5dB)



Capstan Motor Adjustment

Precedure:

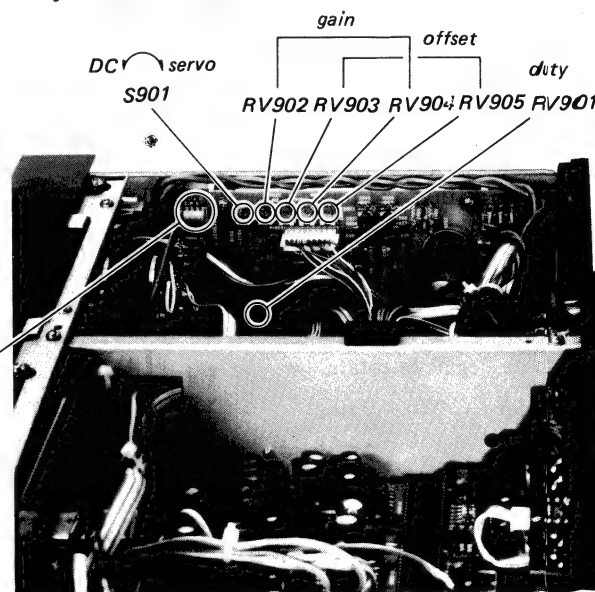
— Mode: stop —

1. Set S901 to DC side (turn fully counterclockwise).
2. Connect the oscilloscope to test point CNP903 pin ③ (H901) and pin ④ (H902) and adjust RV902 (H901) and RV904 (H902) for the specified voltage values.
... gain adjustment
3. Next adjust RV903 (H901) and RV905 (H902) for the specified voltage values.
... offset adjustment
4. Set S901 to SERVO (turn fully clockwise).
5. Connect the oscilloscope to test point CHP903 pin ② and adjust RV901 so that the waveform is as specified.
... duty adjustment

Specification:

	measure terminal	adjustment resistor	oscilloscope reading
gain	CNP 903 ③	RV902	 A=6.6~7.4Vp-p
	CNP 903 ④	RV904	
offset	CNP 903 ③	RV903	OV
	CNP 903 ④	RV 905	
duty	CNP 903 ②	RV 901	 2V CV A:B = 7:3

Adjustment location

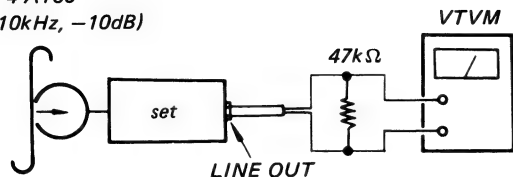


Playback Head Azimuth Adjustment

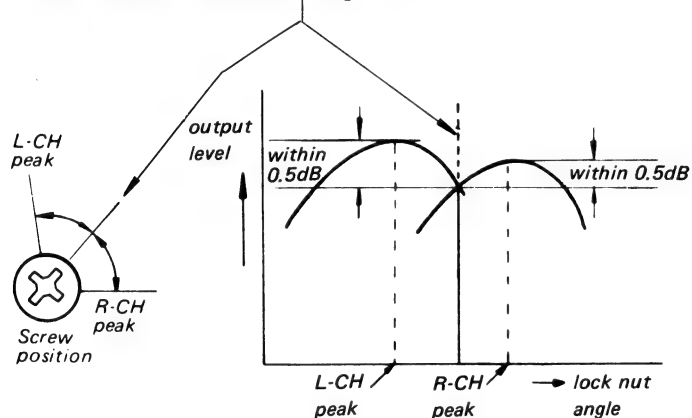
Procedure:

1. Mode: playback

test tape
P-4-A100
(10kHz, -10dB)



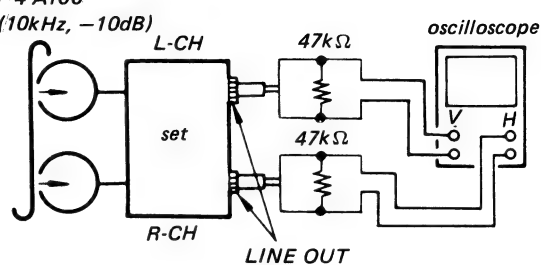
2. Adjust the lock nut so that L-CH and R-CH output is maximum. When the maximum points of L-CH and R-CH are not the same, adjust to the point where they match within 0.5dB of each channel's maximum output value.



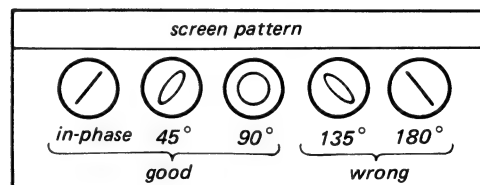
3. Phase Check

Mode: playback

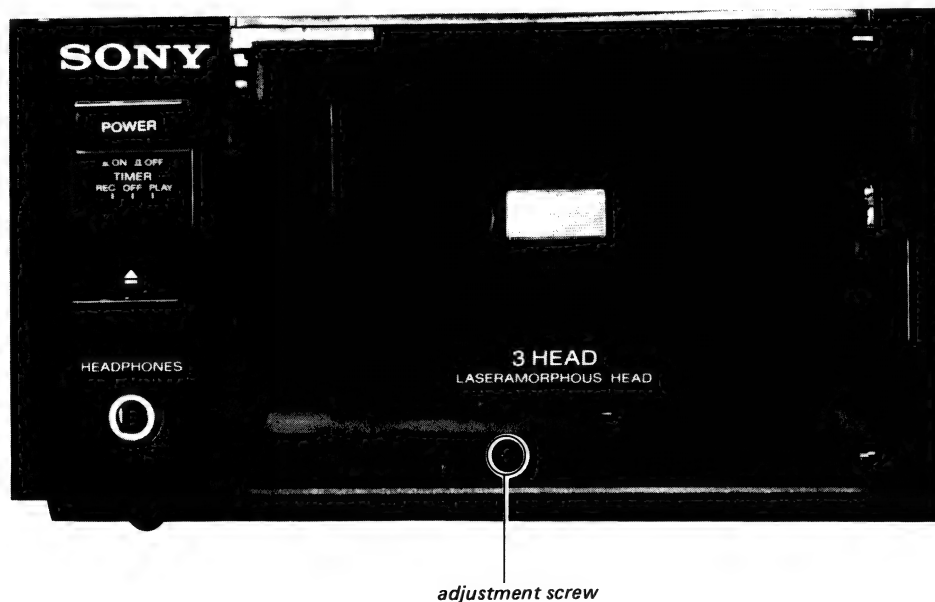
test tape
P-4-A100
(10kHz, -10dB)



4. Confirm that L-CH and R-CH phase difference is between in-phase and 90°.



Adjustment Location:

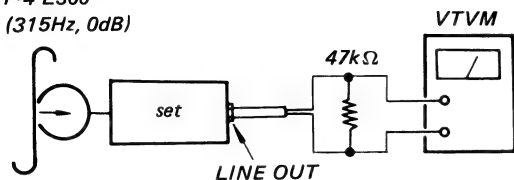


Playback Level Adjustment

Procedure:

1. Mode: playback

test tape
P-4-L300
(315Hz, 0dB)

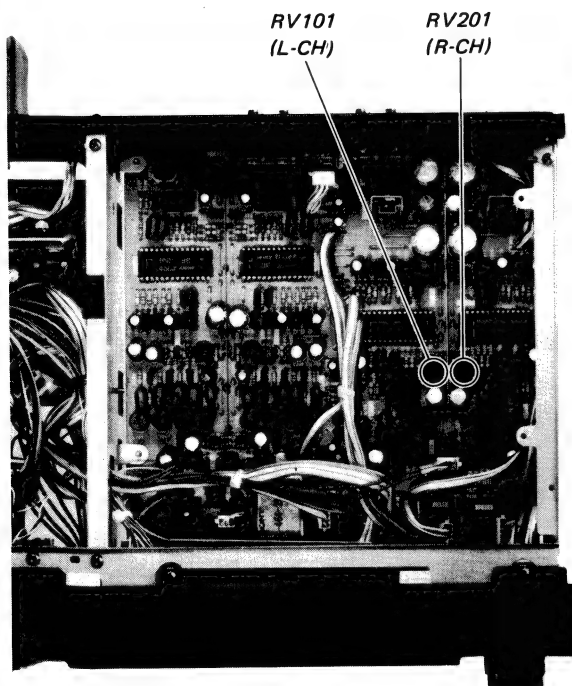


2. Adjust RV101 (L-CH) and RV201 (R-CH) to obtain the specified LINE OUT level.

Specification: LINE OUT level: 0.42 – 0.46V
(–5.5 to –4.5dB)

Level difference between channels: less than 0.5dB

Adjustment Location audio board



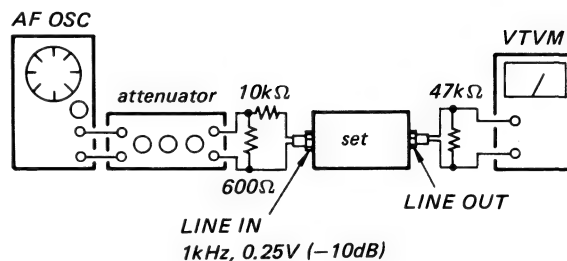
Meter Level Adjustment

Setting:

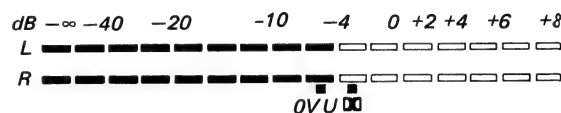
MONITOR switch: SOURCE

Procedure:

1. Mode: record

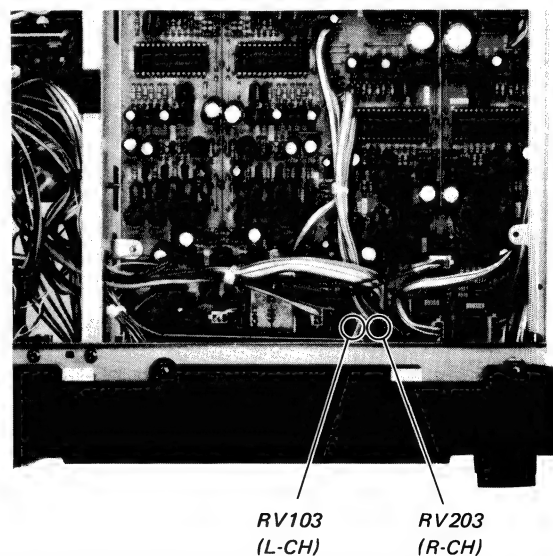


2. Adjust the REC LEVEL control for –5dB (0.44V) LINE OUT level. At this time, adjust RV103 (L-CH) and RV203 (R-CH) for the point where meter OVU (–4dB) section segments lights up.



3. Adjust REC LEVEL control for 8dB (1.9V) LINE OUT level. Confirm that all the meter segments light up at this time.

Adjustment Location: audio board



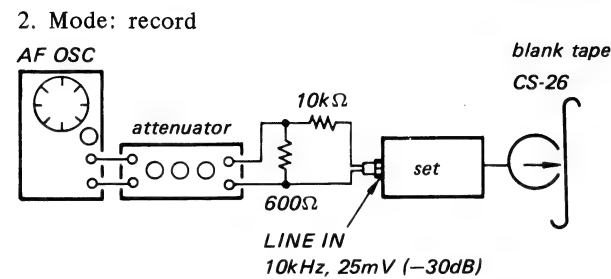
Record Head Azimuth Main Adjustment

Setting:

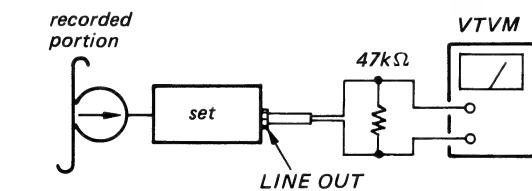
REC LEVEL control: standard record
(See page 18.)

Procedure:

1. Turn CP301 fully clockwise, and $\frac{1}{2}$ - 1 turn counterclockwise.

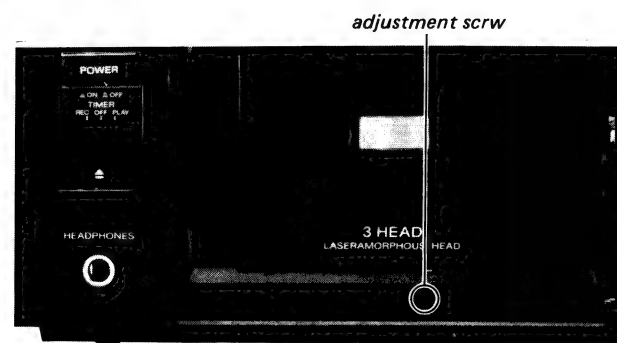
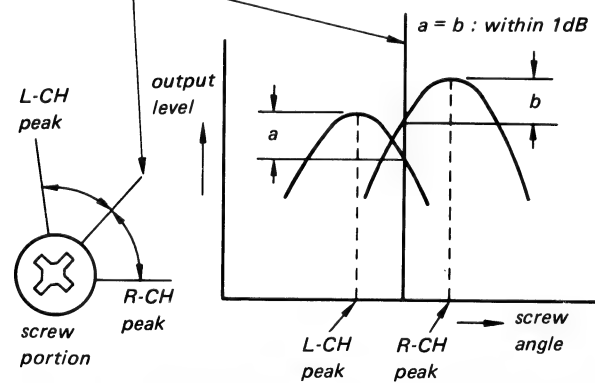


3. Mode: playback



4. Adjust the screw for maximum L-CH, R-CH output.

5. When L-CH and R-CH output maximum values are not the same, adjust the screw so that they match, within 1dB level down from the maximum value.



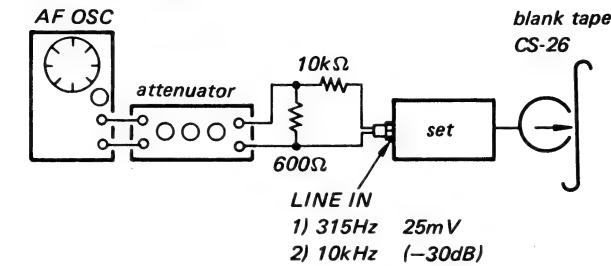
Record Bias Adjustment

Setting:

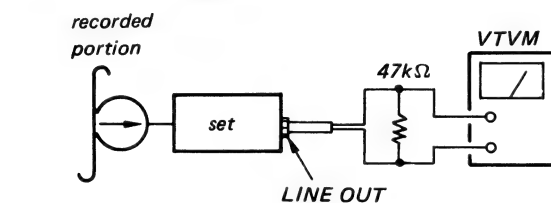
REC LEVEL control: standard record
(See page 18.)

Procedure:

1. Mode: record

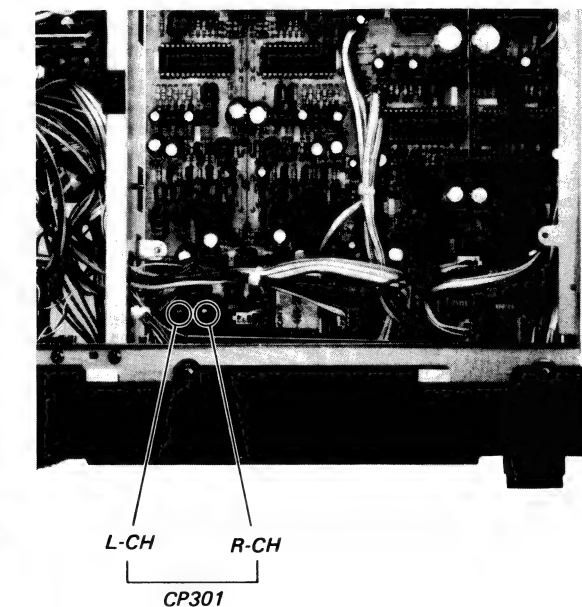


2. Mode: playback



3. Adjust CP301 (L-CH and R-CH) so that the LINE OUT level of 10kHz signal is 0 ± 0.5 dB relative to that of 315Hz.

Adjustment Location: audio board



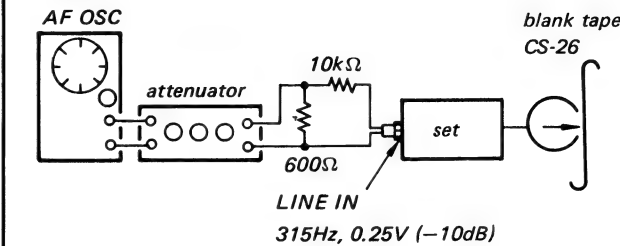
Record Level Adjustment

Setting:

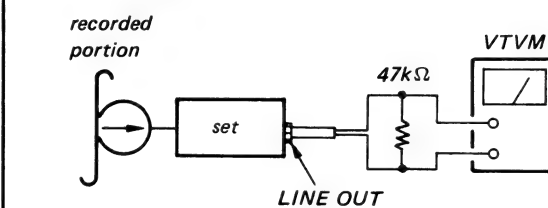
REC LEVEL control: standard record
(See page 18.)

Procedure:

1. Mode: record



2. Mode: playback

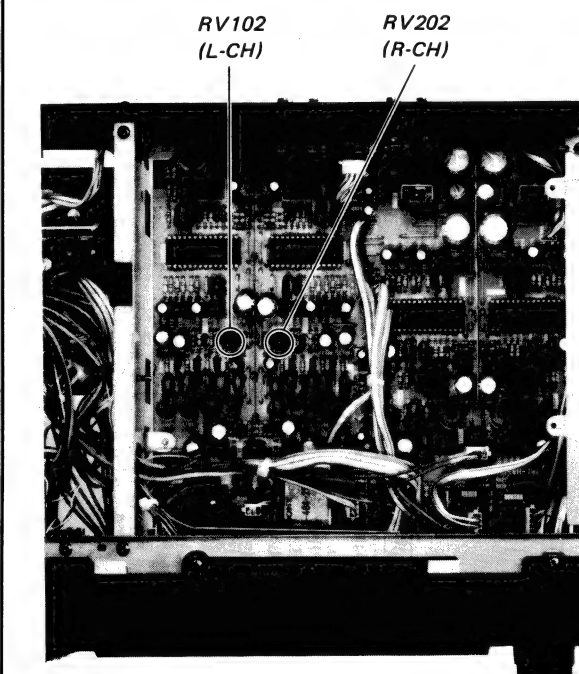


3. Adjust RV102 (L-CH) and RV102 (R-CH) to obtain the specified LINE OUT level.

Specification:

LINE OUT level: 0.42 - 0.46V
(-5.5 to -4.5dB)

Adjustment Location: audio board



Bias Trap Adjustment

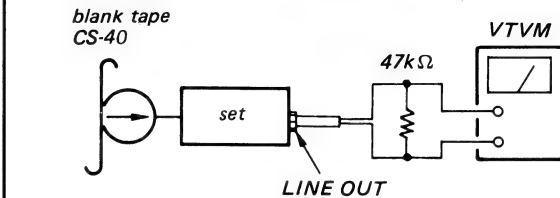
Setting:

Tape select switch: TYPE IV

REC LEVEL knob: Standard recording position (See page 18).

Procedure:

1. Record mode (with no signal)



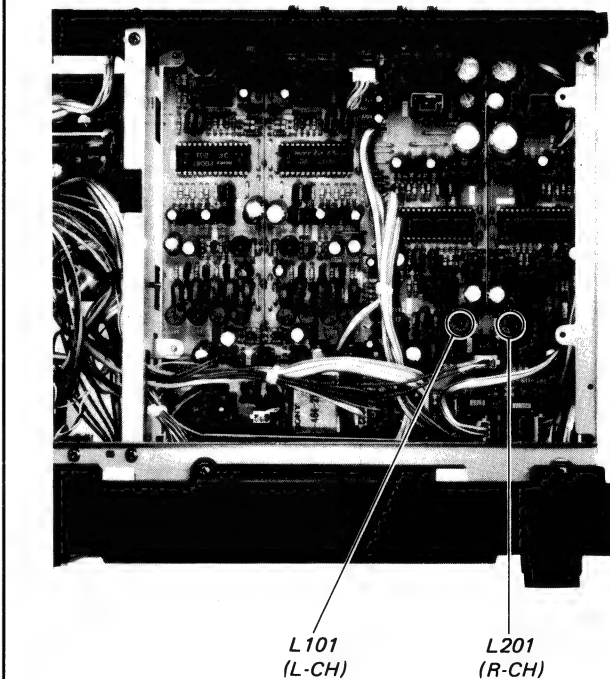
2. Set the monitor switch to TAPE.

Adjust L101(L-CH) and L201(R-CH) so that VTVM reads minimum. The specification should be less than 4.4mV (-45dB).

3. Set the monitor switch to SOURCE.

Make sure that VTVM reads less than 0.44mV (-65dB).

Adjustment location: audio board



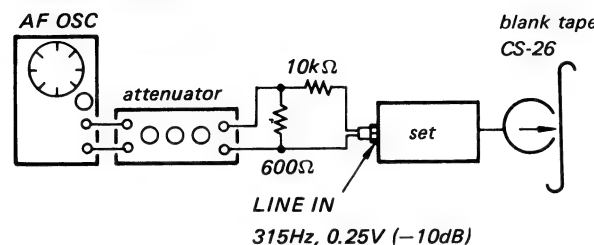
Record Level Adjustment

Setting:

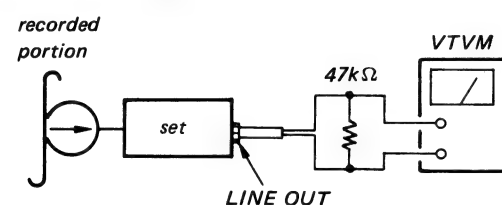
REC LEVEL control: standard record
(See page 18.)

Procedure:

1. Mode: record



2. Mode: playback

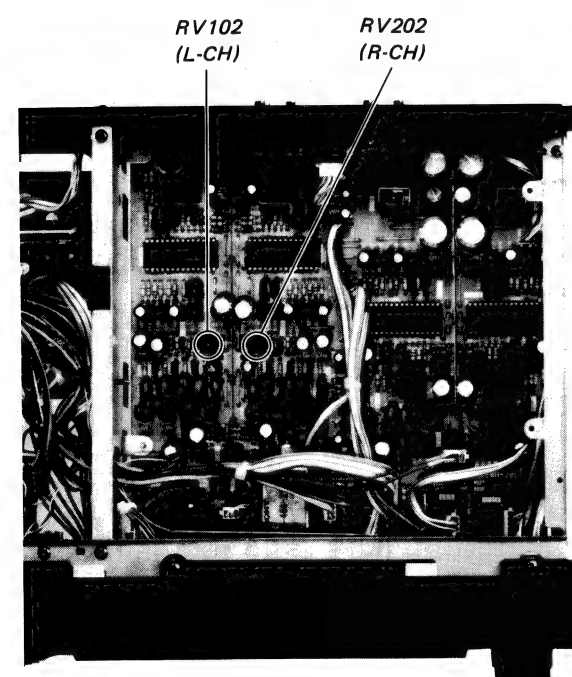


3. Adjust RV102 (L-CH) and RV102 (R-CH) to obtain the specified LINE OUT level.

Specification:

LINE OUT level: 0.42 – 0.46V
(-5.5 to -4.5dB)

Adjustment Location: audio board



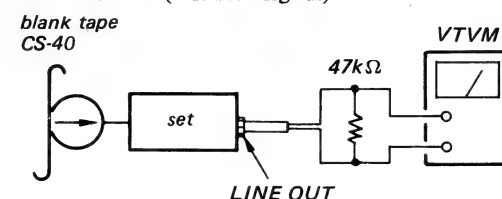
Bias Trap Adjustment

Setting:

Tape select switch: TYPE IV
REC LEVEL knob: Standard recording position (See page 18).

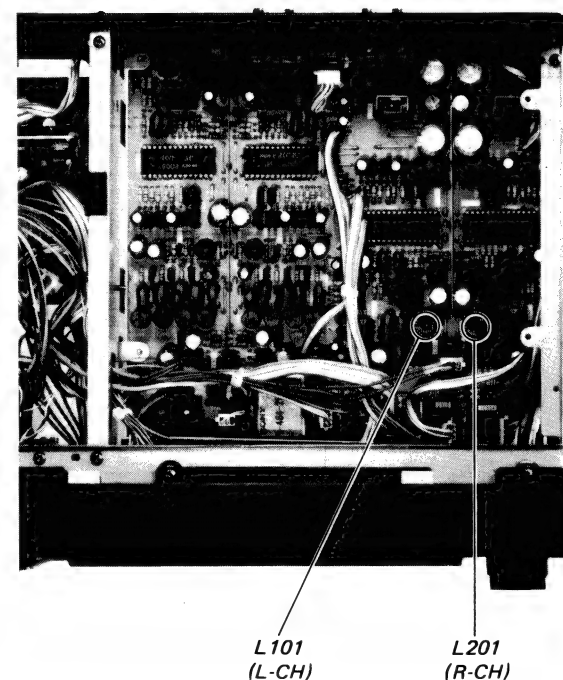
Procedure:

1. Record mode (with no signal)



2. Set the monitor switch to TAPE. Adjust L101(L-CH) and L201(R-CH) so that VTVM reads minimum. The specification should be less than 4.4mV (-45dB).
3. Set the monitor switch to SOURCE. Make sure that VTVM reads less than 0.44mV (-65dB).

Adjustment location: audio board



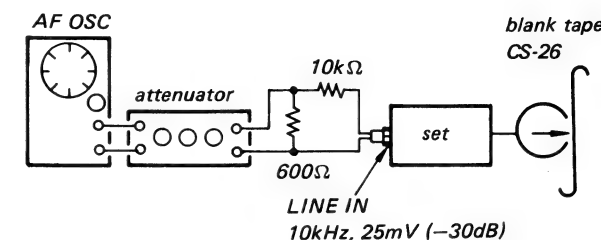
Record Head Azimuth Temporary Adjustment

Setting:

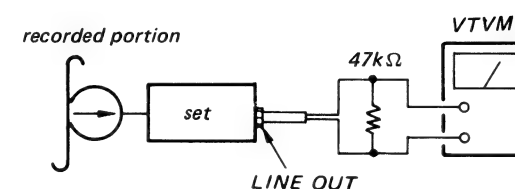
REC LEVEL control: standard record
(See page 18.)

Procedure:

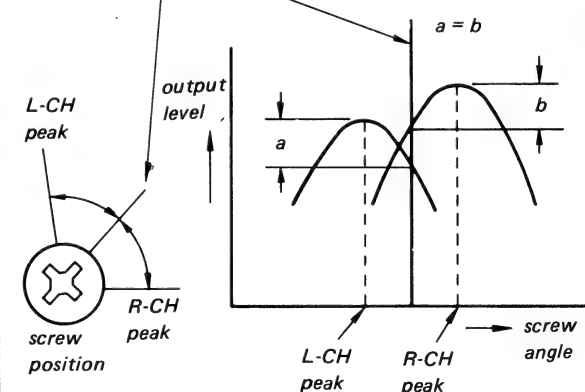
1. Mode: record



2. Mode: playback

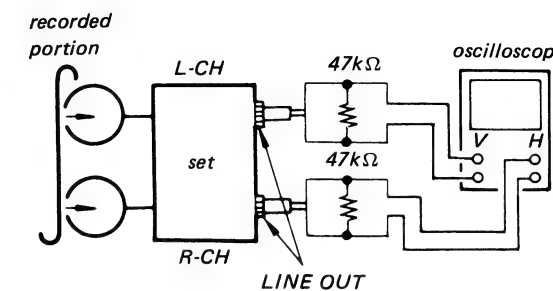


3. Adjust the screw for maximum L-CH, R-CH output.
4. When the maximum points of L-CH and R-CH output are not the same, adjust the screw so that they match, and so that the level down amount is the same for both channels.

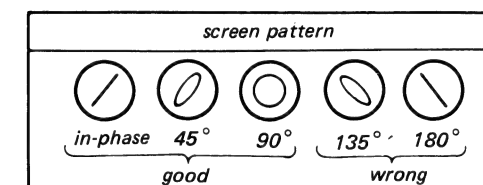


5. Phase Check

Mode: playback

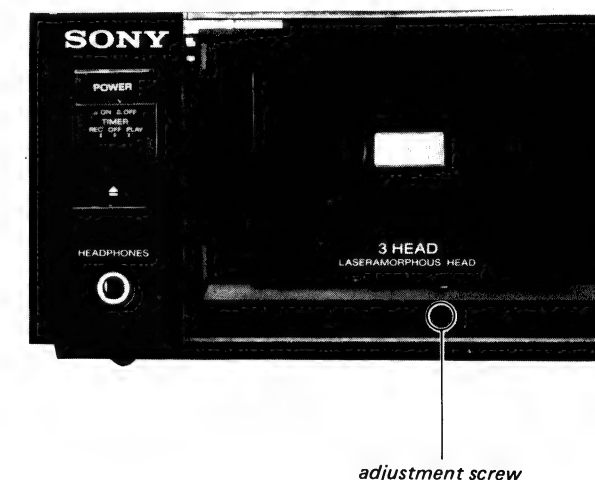


6. Confirm that L-CH and R-CH phase difference is between in-phase and 90°.




7. Repeat record bias adjustment. (See page 21)


Adjustment Location:







SECTION 4 DIAGRAMS

4-1 MOUNTING DIAGRAM —Audio Section—


Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note:

- Components for right channel have same values as for left channel. Reference numbers are coded from
- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, $\frac{1}{4}\text{W}$ unless otherwise noted. k Ω : 1000 Ω , M Ω : 1000k Ω
-  : internal component.
-  : adjustment for repair.
-  : B+ bus.
-  : B- bus.
- Voltages are dc with respect to ground unless otherwise noted.
- [] : REC
- AC voltage readings in the bias oscillator with a VTVM.
- Switch

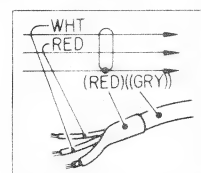
Ref. No.	Switch	Position
S301-1	TYPE I/NORMAL	ON
S301-2	TYPE II/CrO ₂	OFF
S301-3	TYPE III/Fe-Cr	OFF
S301-4	TYPE IV/METAL	OFF
S301-5	DOLBY NR-ON/OFF	OFF
S301-6	DOLBY NR-B-TYPE/C-TYPE	B-TYPE
S301-7	MPX FILTER	OFF
S301-8	MONITOR	TYPE







-  : Signal path

Note: Voltages are measured with a VOM (50k Ω /V).

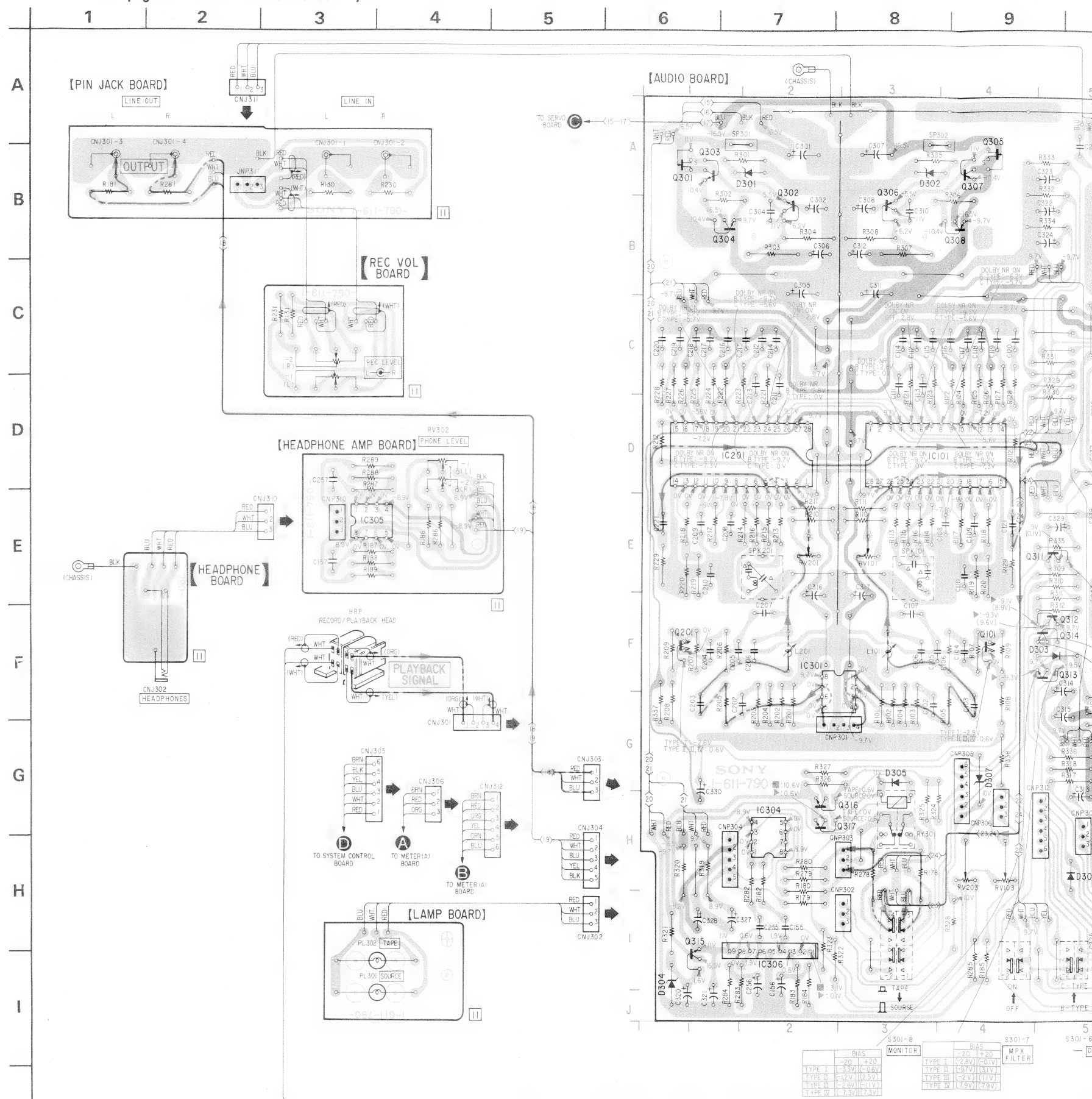
Note:

- Color code of sleeving over the end of the jacket.

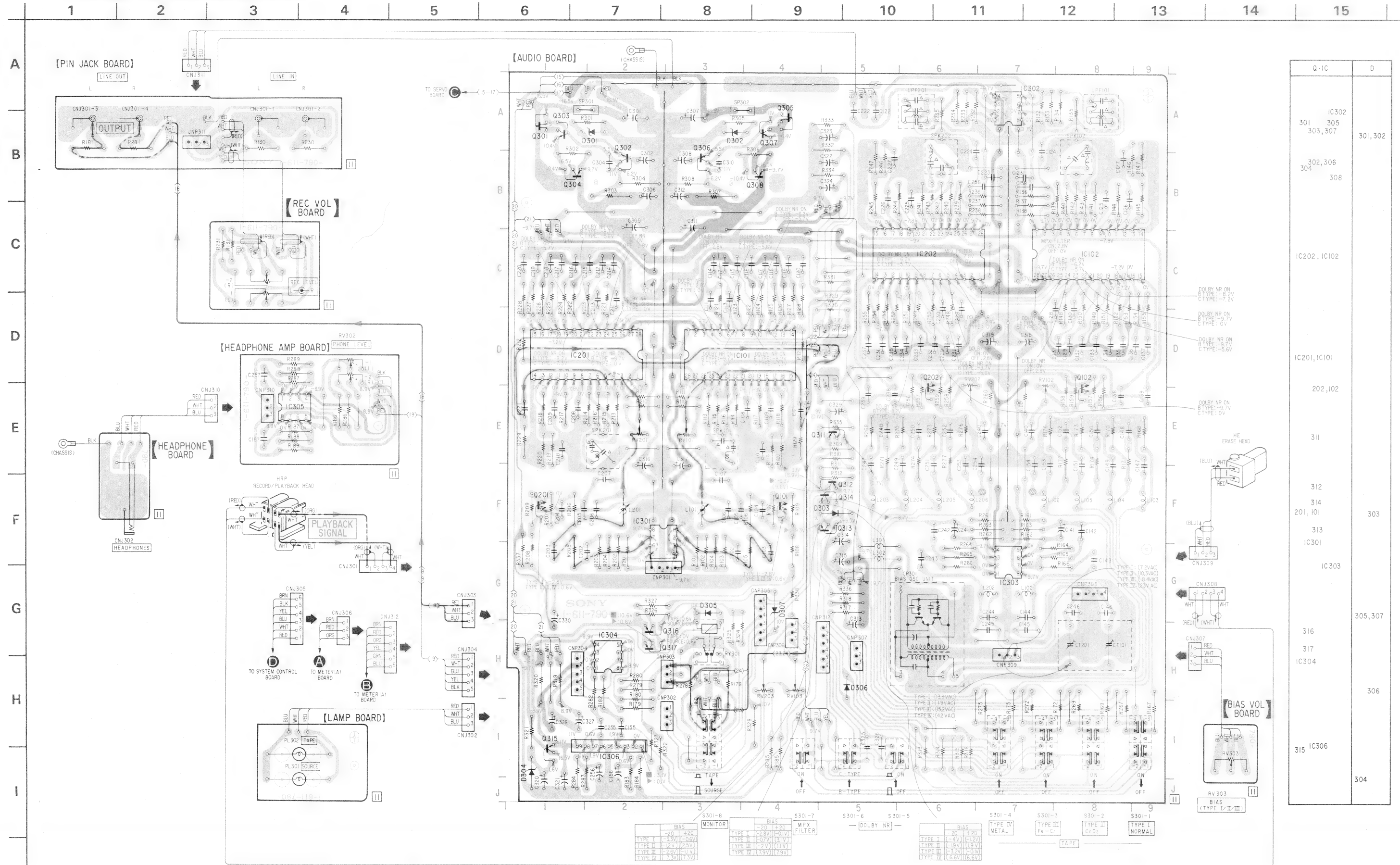


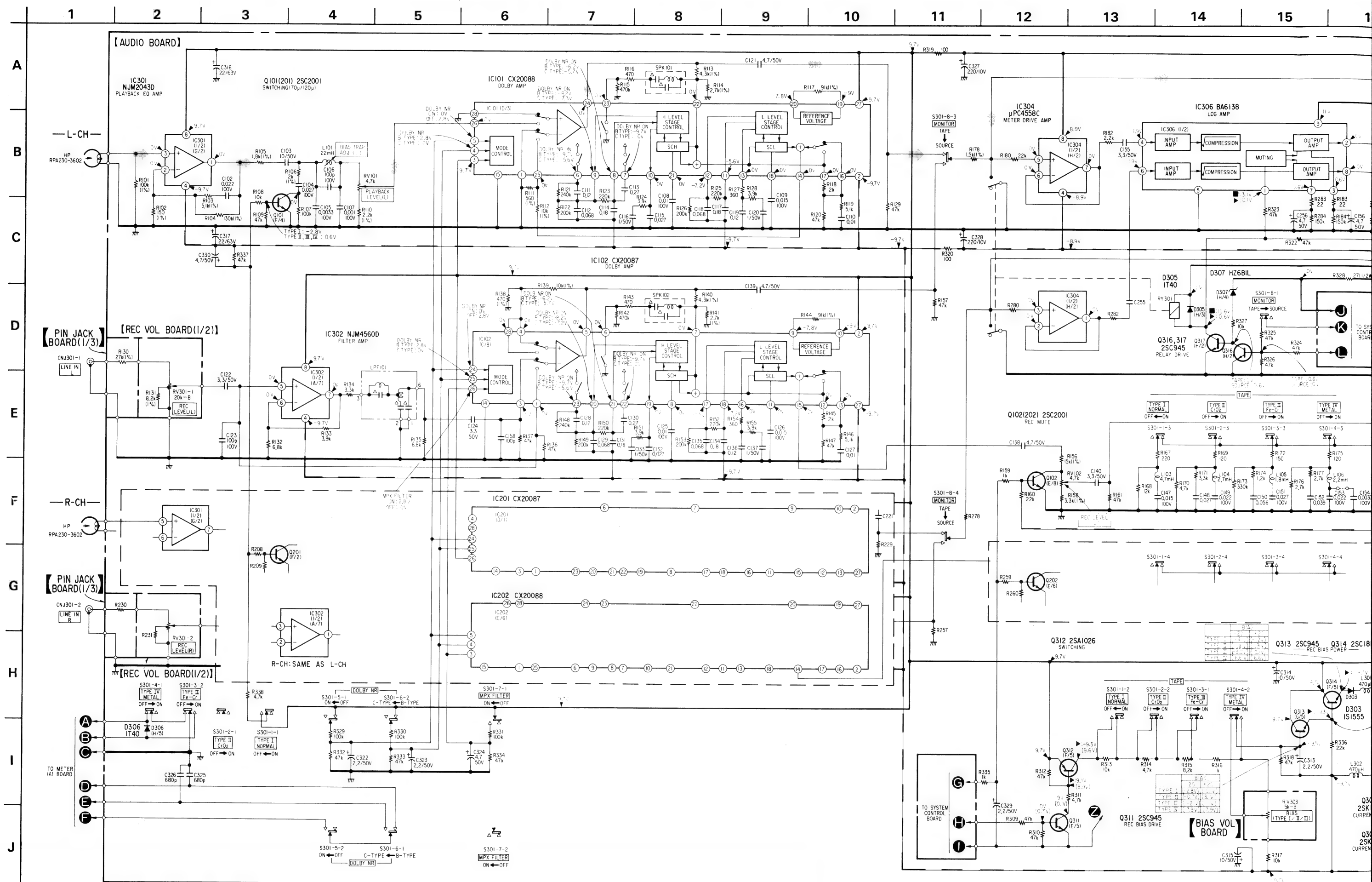
-  : parts extracted from the component side.
-  : B+ pattern
-  : B- pattern
-  : signal path
-  : L-CH signal path
-  : R-CH signal path

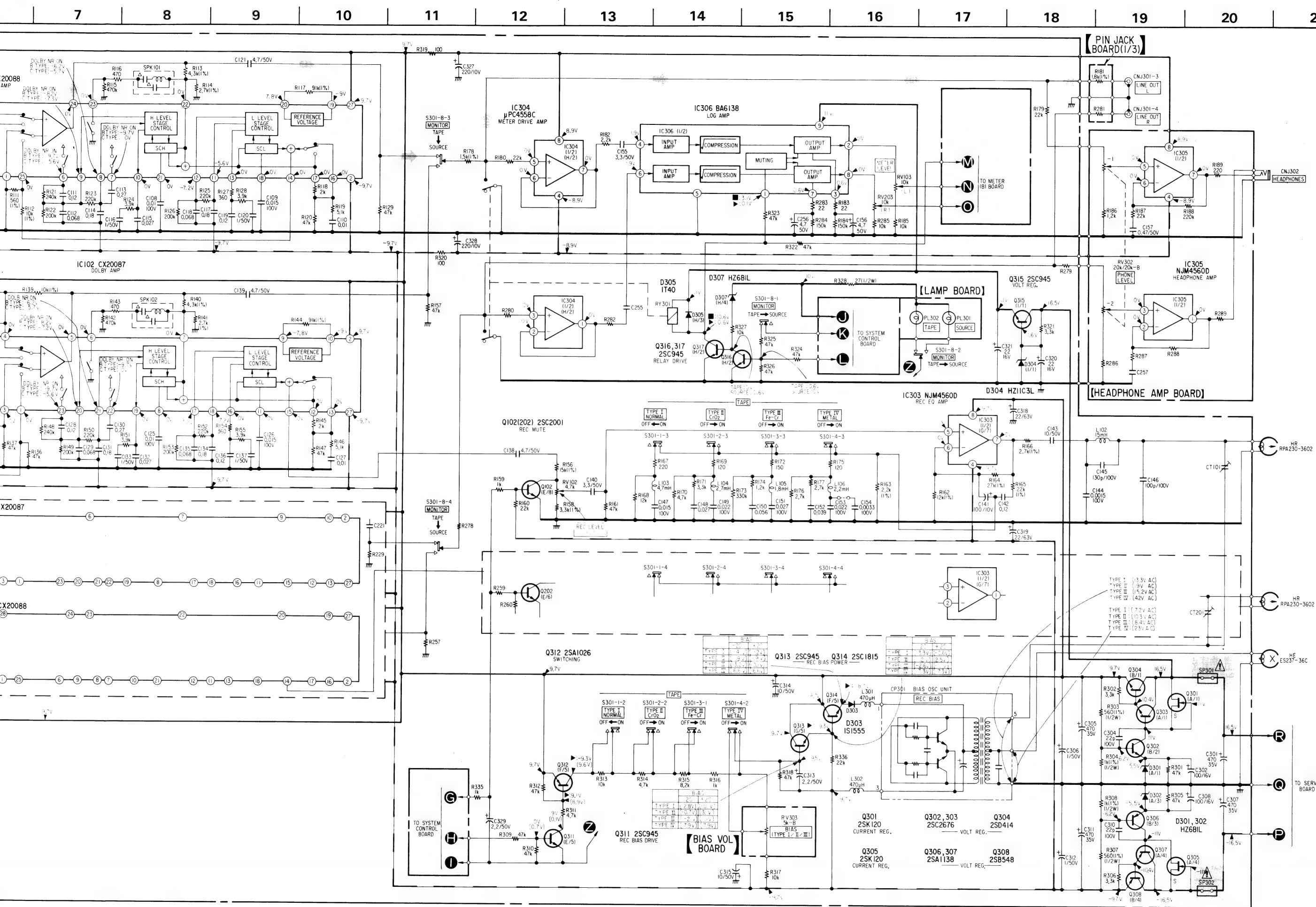
• See page 39 for Semi conductor lead layout.



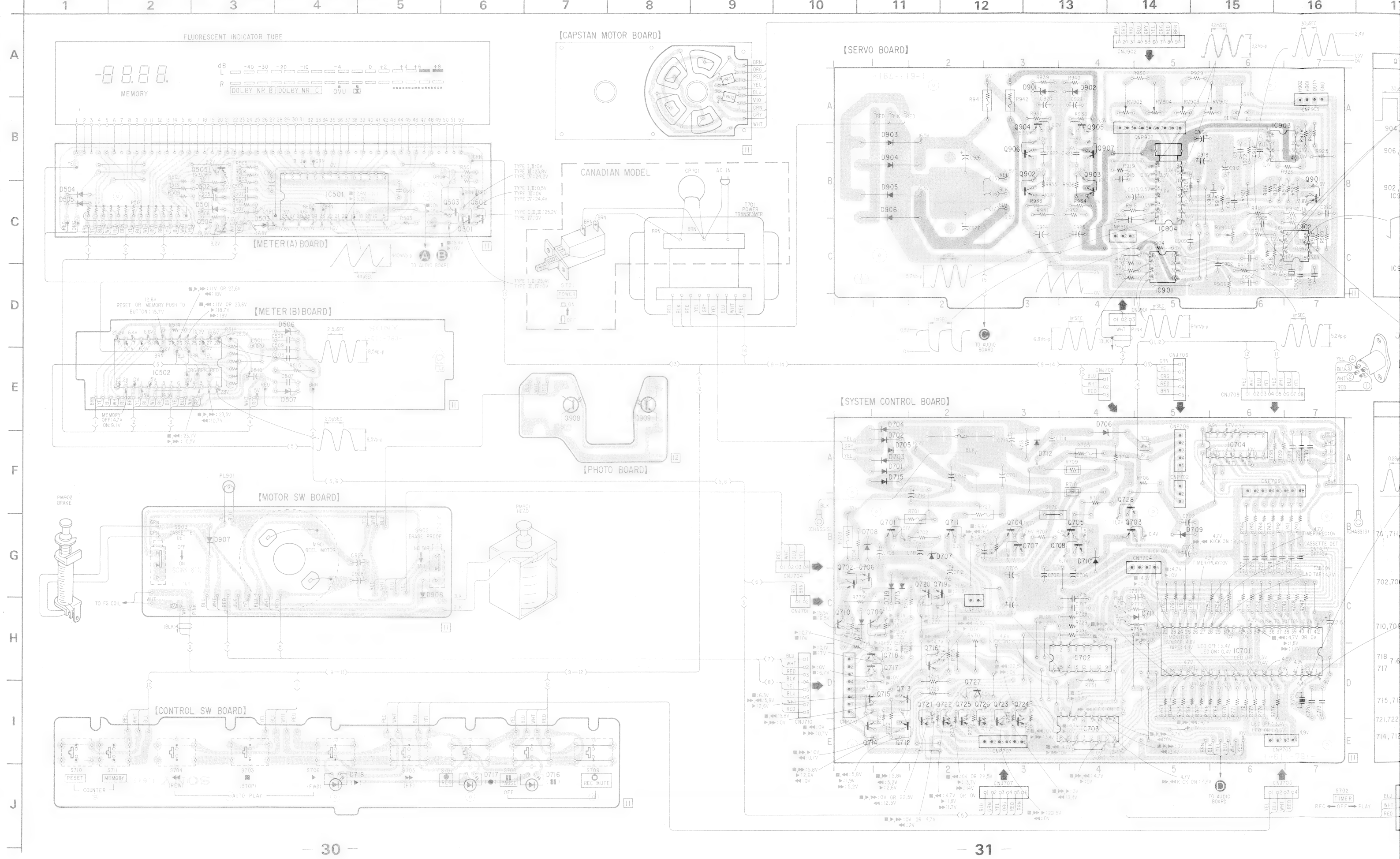
• See page 39 for Semi conductor lead layout.

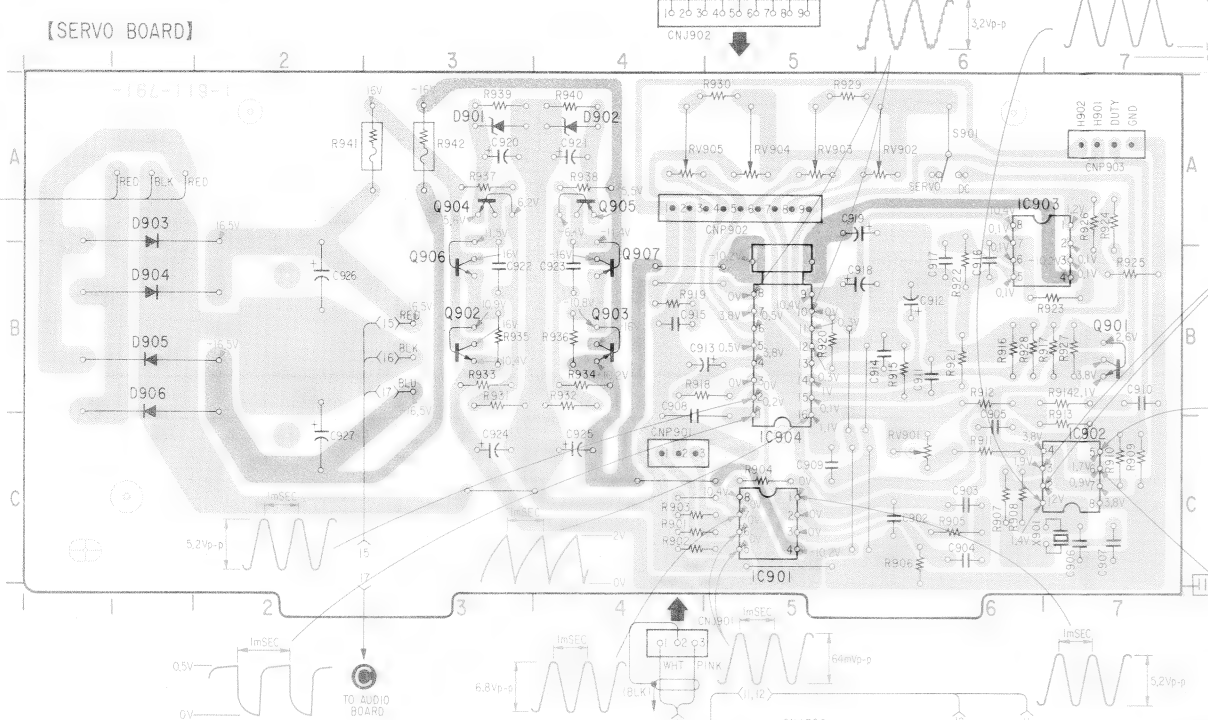
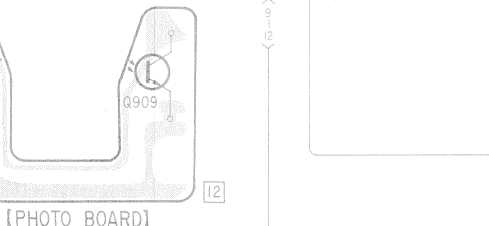
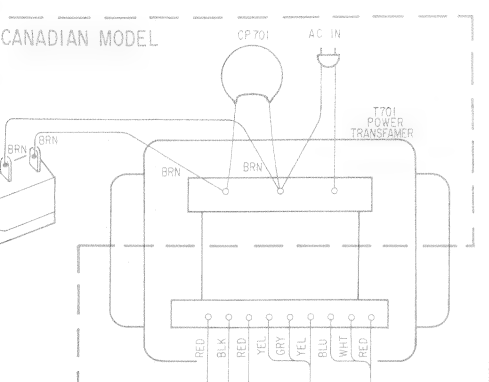
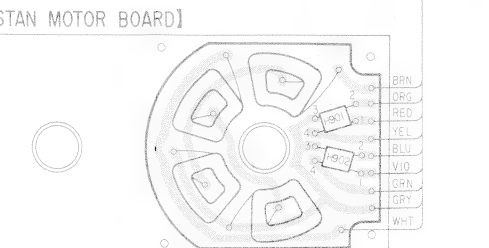




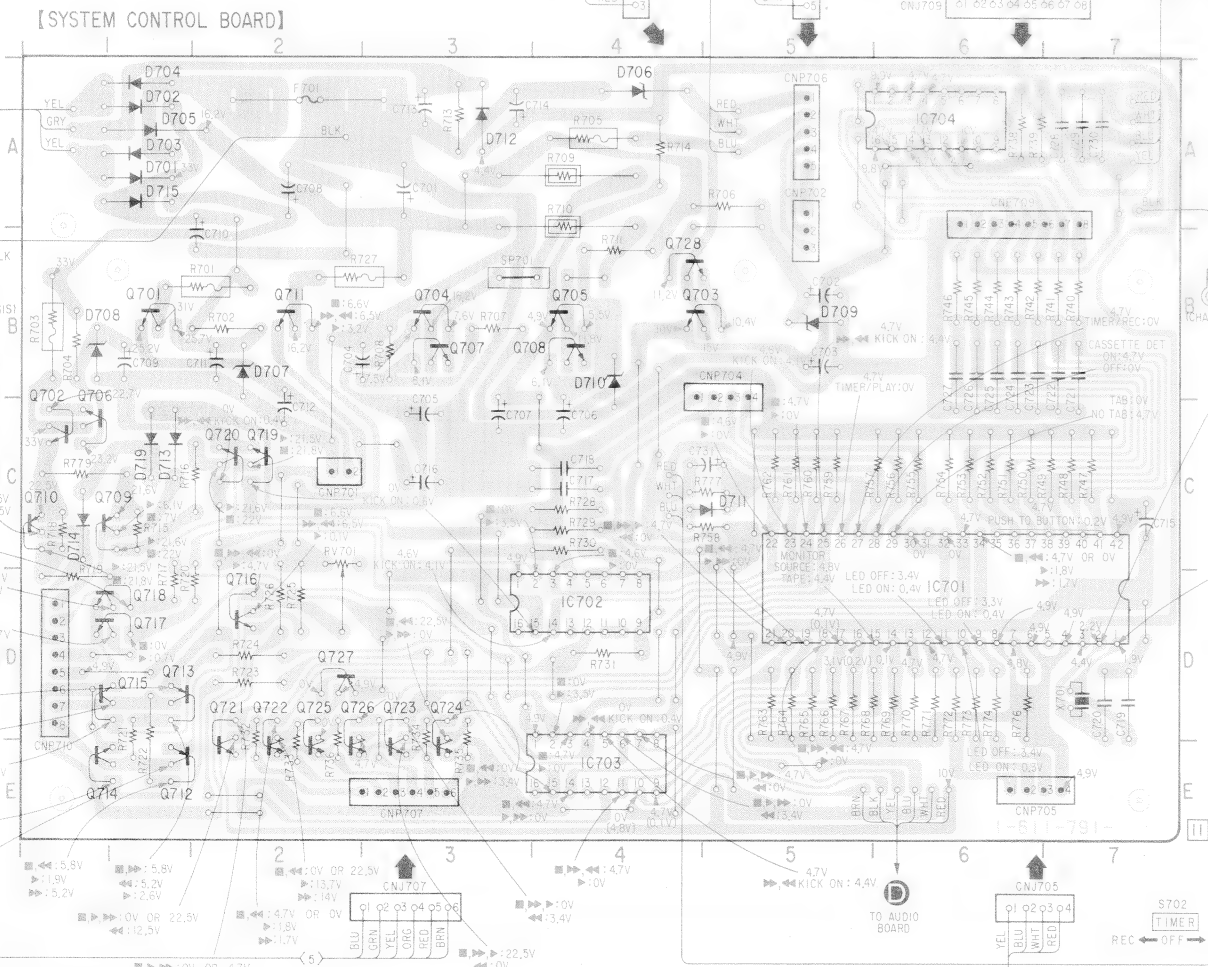


4-3 MOUNTING DIAGRAM —System Control/Servo/Meter/Power Section—

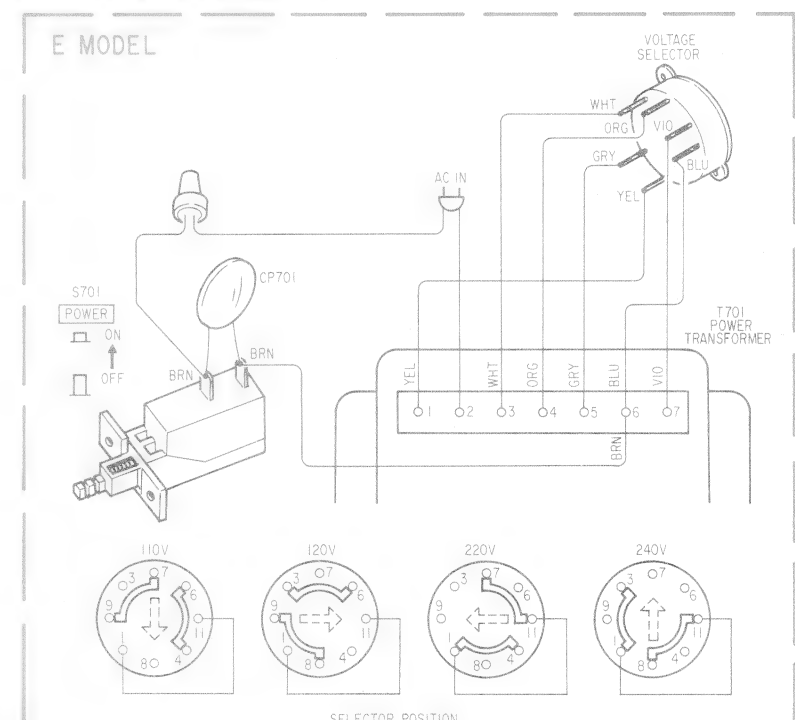
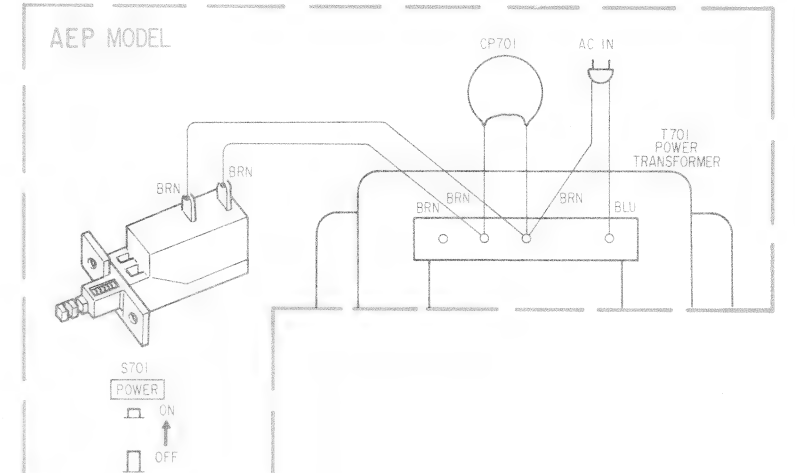
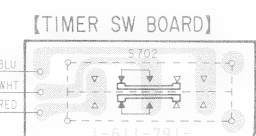




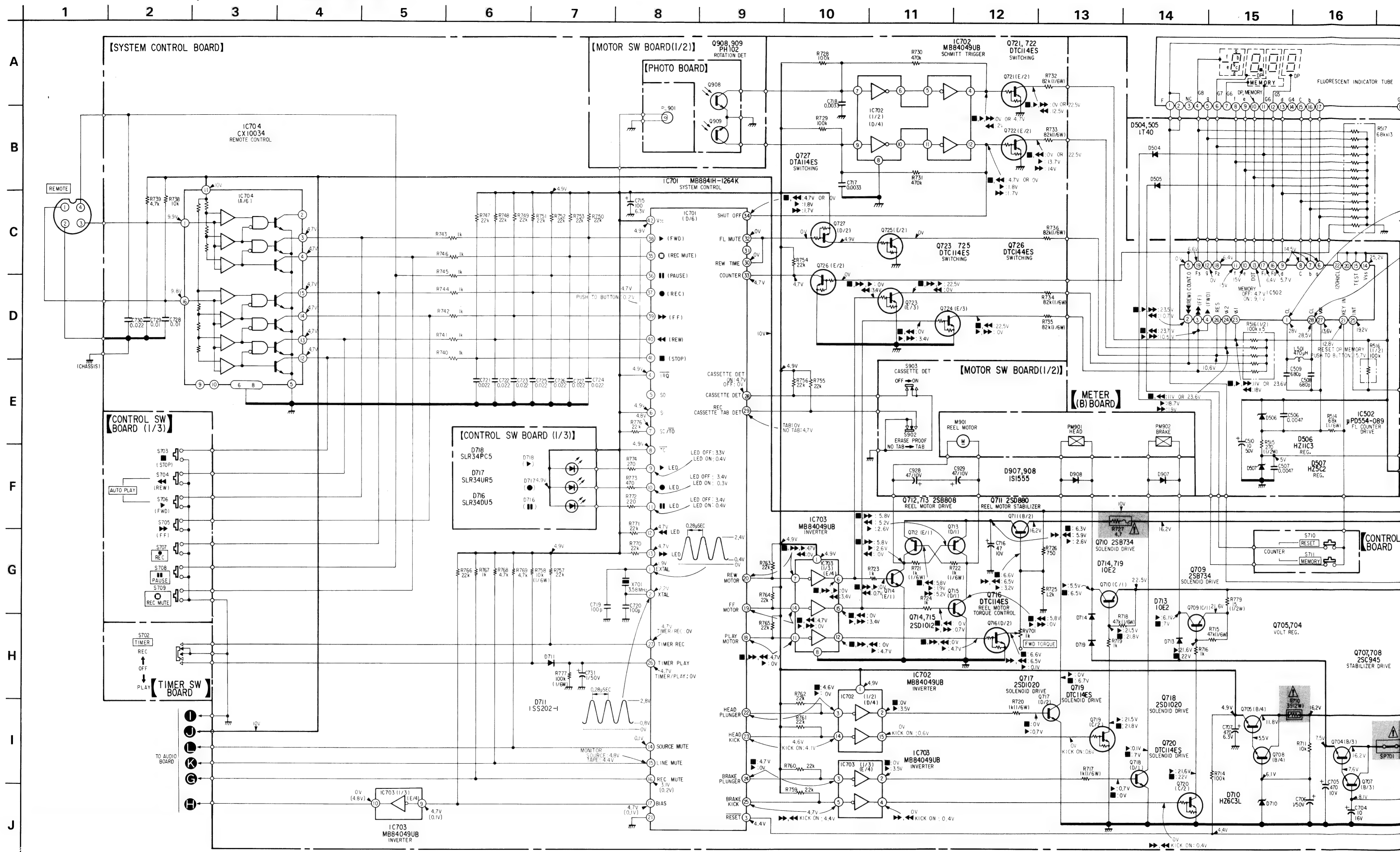
Q-IC	D
901,902	901,902
904,905	903
906,907	904
902,903	905
IC904	906
IC902	901
IC901	902

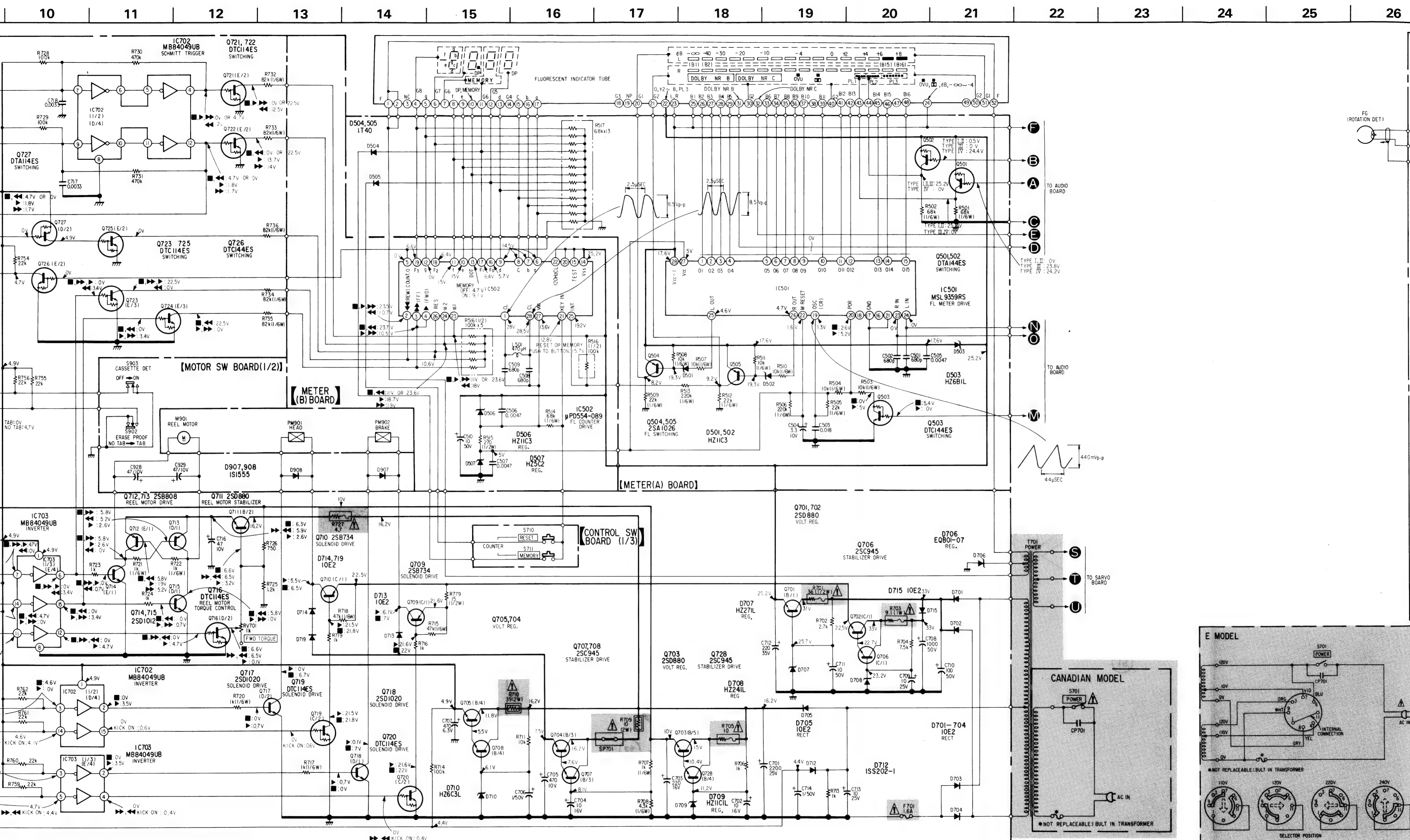


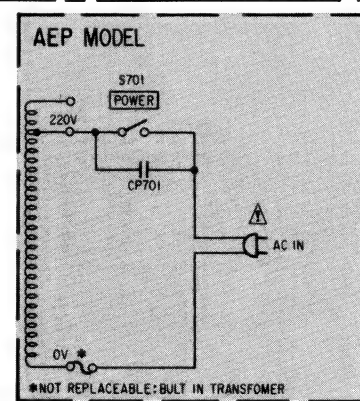
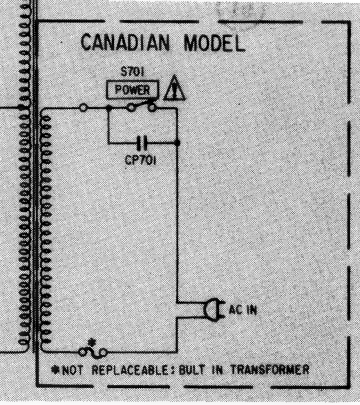
Q-IC	D
IC704	704 706
	702 712
	705
	703
	701
	715
728	
701,711,704,705,703	709
707,708	708
702,706	710
720,719	719,713
710,709	711
718 716 IC701	714
717 IC702	711
715,713	727
721,722,725,726,723,724	
714,712 IC703	



4-4 SCHEMATIC DIAGRAM —System Control/Servo/Meter/Power Section—









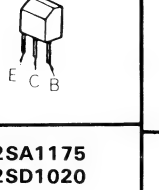
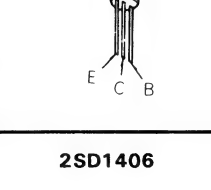
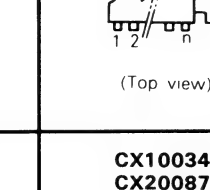
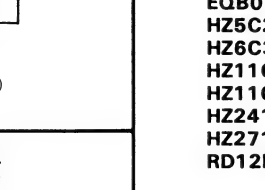
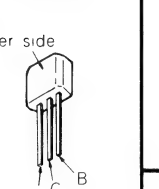
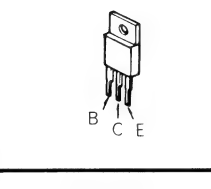
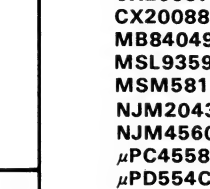
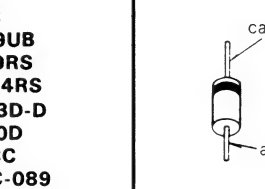
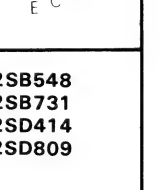
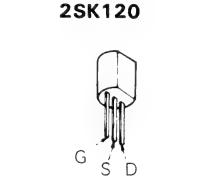
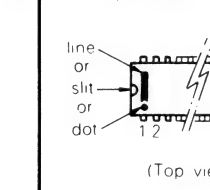
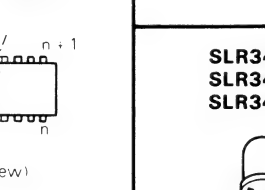
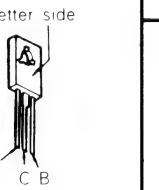
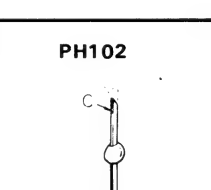
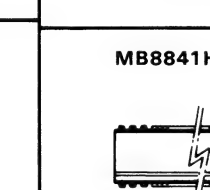
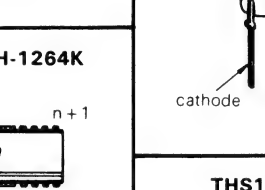
SECTION 5

EXPLODED VIEWS AND PARTS





Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Semiconductor Lead Layouts

<p>2SA1138 2SB734 2SC2676</p> 	<p>2SC1815-GR 2SC2001</p> 	<p>CX10031A</p>  <p>(Top view)</p>	<p>10E2 1SS202-1 1S1555 30DF-FA EQB01-07 HZ5C2 HZ6C3L HZ11C1L HZ11C3L HZ241L HZ271L RD12EN2</p> 
<p>2SA1175 2SD1020</p> 	<p>2SD1406</p> 	<p>CX10034 CX20087 CX20088 MB84049UB MSL9359RS MSM5814RS NJM2043D-D NJM4560D μPC4558C μPD554C-089</p>  <p>(Top view)</p>	<p>SLR34DU5 SLR34PC5 SLR34UR5</p> 
<p>2SB548 2SB731 2SD414 2SD809</p> 	<p>2SK120</p> 	<p>MB8841H-1264K</p>  <p>(Top view)</p>	<p>THS102A</p> 
<p>2SB808 2SC2458 DTA114ES DTC114ES DTC144ES</p> 	<p>PH102</p> 	<p>BA6138</p> 	<p>THS102A</p> 

Note

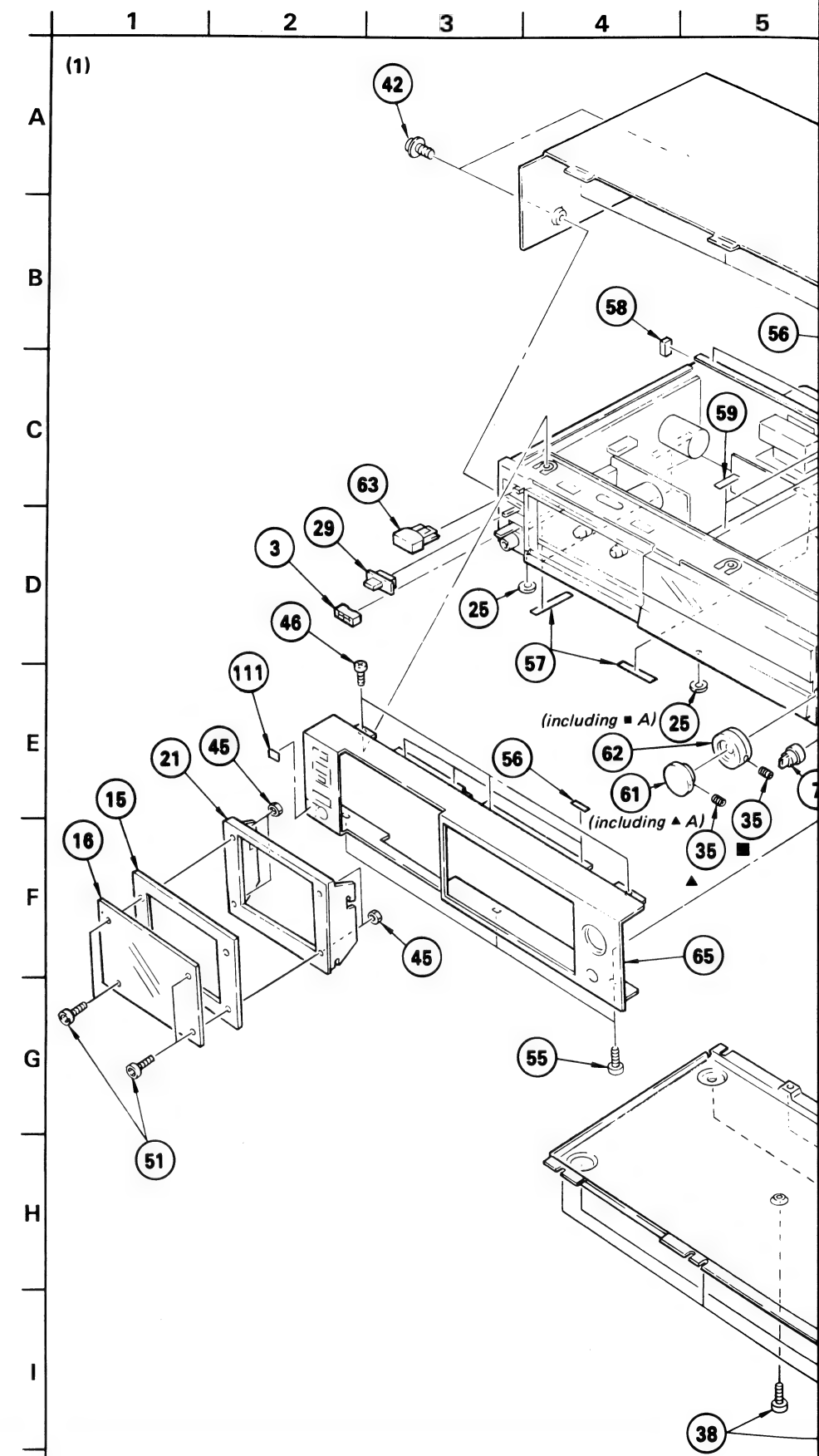
- All capacitors are in μF unless otherwise noted. $\text{pF} : \mu\text{F}$ 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, $\frac{1}{4}W$ unless otherwise noted. $\text{k}\Omega : 1000\ \Omega$, $\text{M}\Omega : 1000\ \text{k}\Omega$
-  : nonflammable resistor.
-  : fusible resistor.
-  : adjustment for repair.
-  : B+ bus.

- Voltages are dc with respect to ground unless otherwise noted.
- **Switch**

Ref. No.	Switch	Position
S701	POWER	OFF
S702	TIMER	OFF
S703	■ (STOP)	OFF
S704	◀◀(REW)	OFF
S705	▶▶(FF)	OFF
S706	▶(FWD)	OFF
S707	● REC	OFF
S708	II PAUSE	OFF
S709	● REC MUTE	OFF
S710	RESET	OFF
S711	MEMORY	OFF
S901	DC/SERVO	OFF
S902	HALF DET	OFF
S903	ACCIDENTAL ERASURE PREVENTION	OFF

Note: Voltages are measured with a VOM (50k Ω /V).

- —: parts extracted from the component side.
- —: parts extracted from the conductor side.
- : B+ pattern
- : B- pattern



SECTION 5

EXPLODED VIEWS AND PARTS LIST

- 10E2

1S5202-1

1S1555

30DF-FA

EQB01-07

HZ5C2

HZ6C3L

HZ11C1L

HZ11C3L

HZ241L

HZ271L

RD12EN2
- cathode

anode
- SLR34DU5

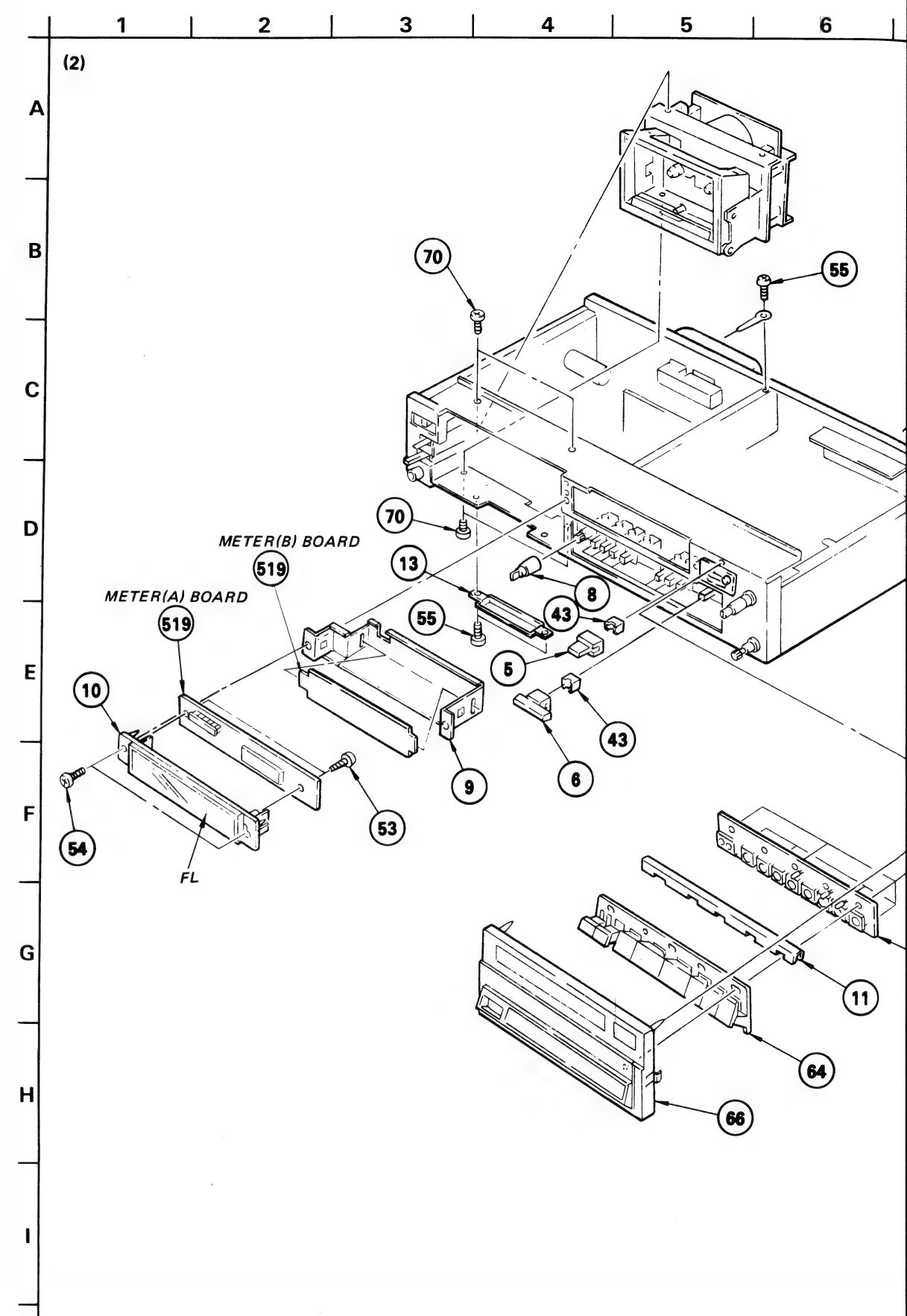
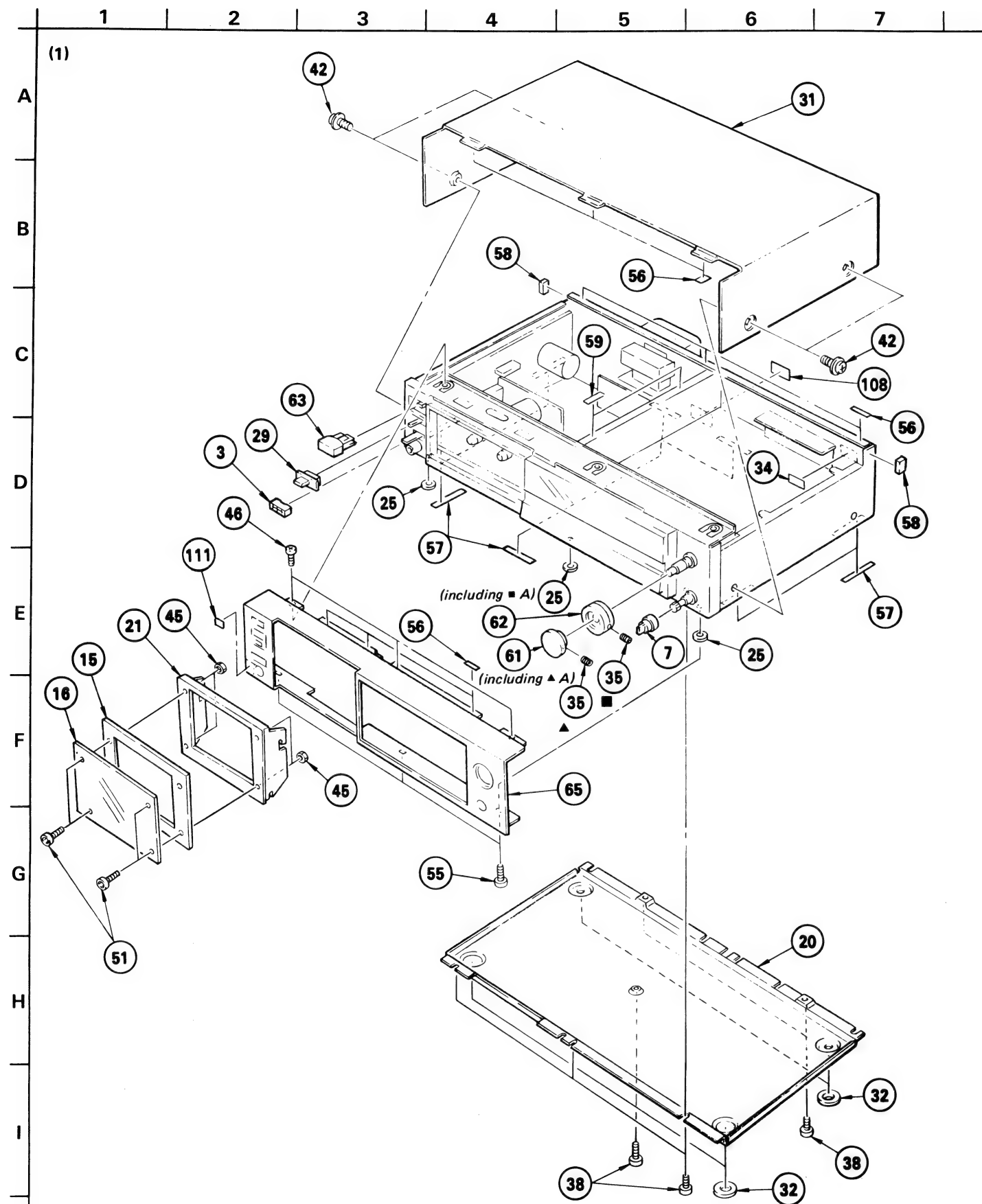
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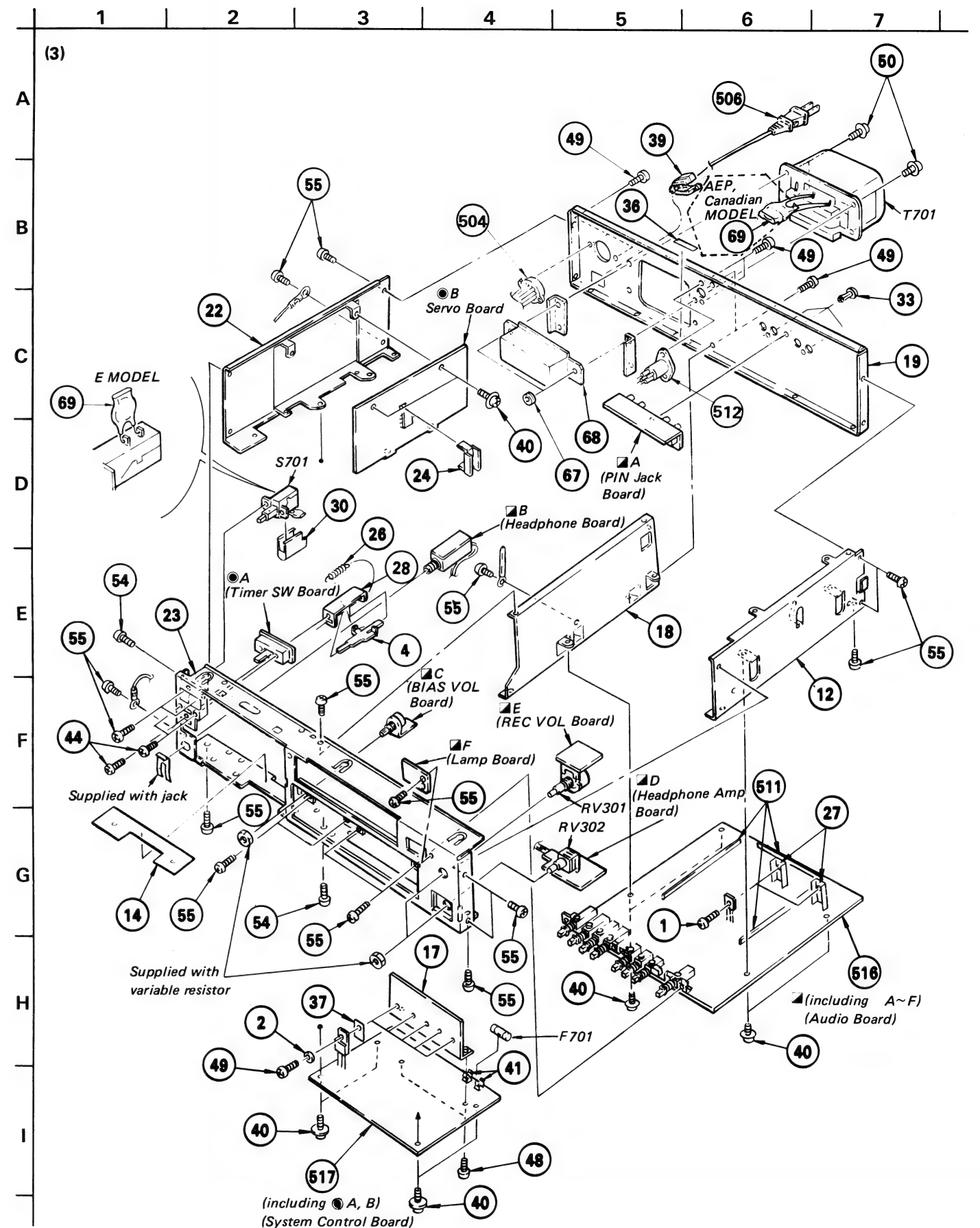
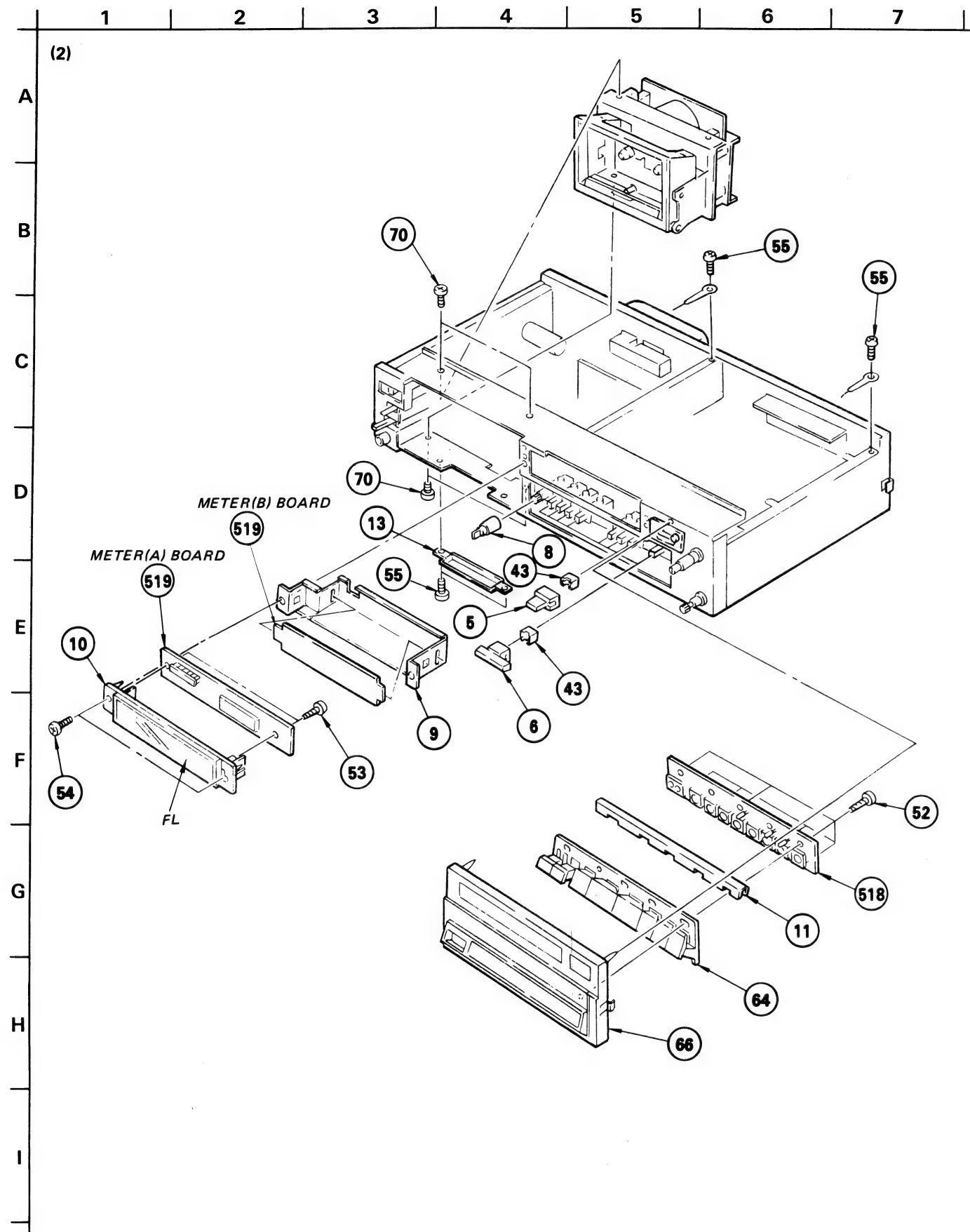
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- anode

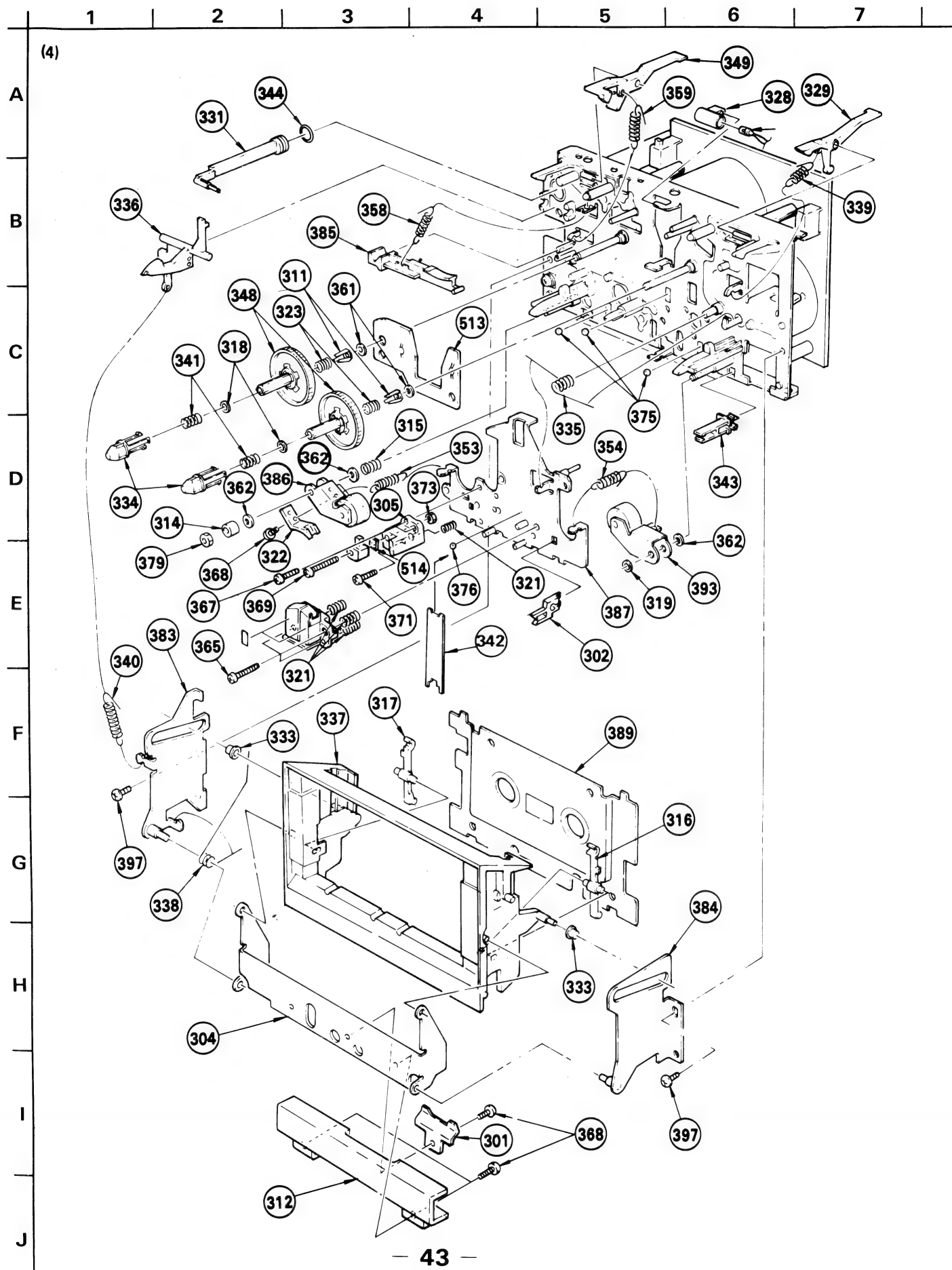
anode
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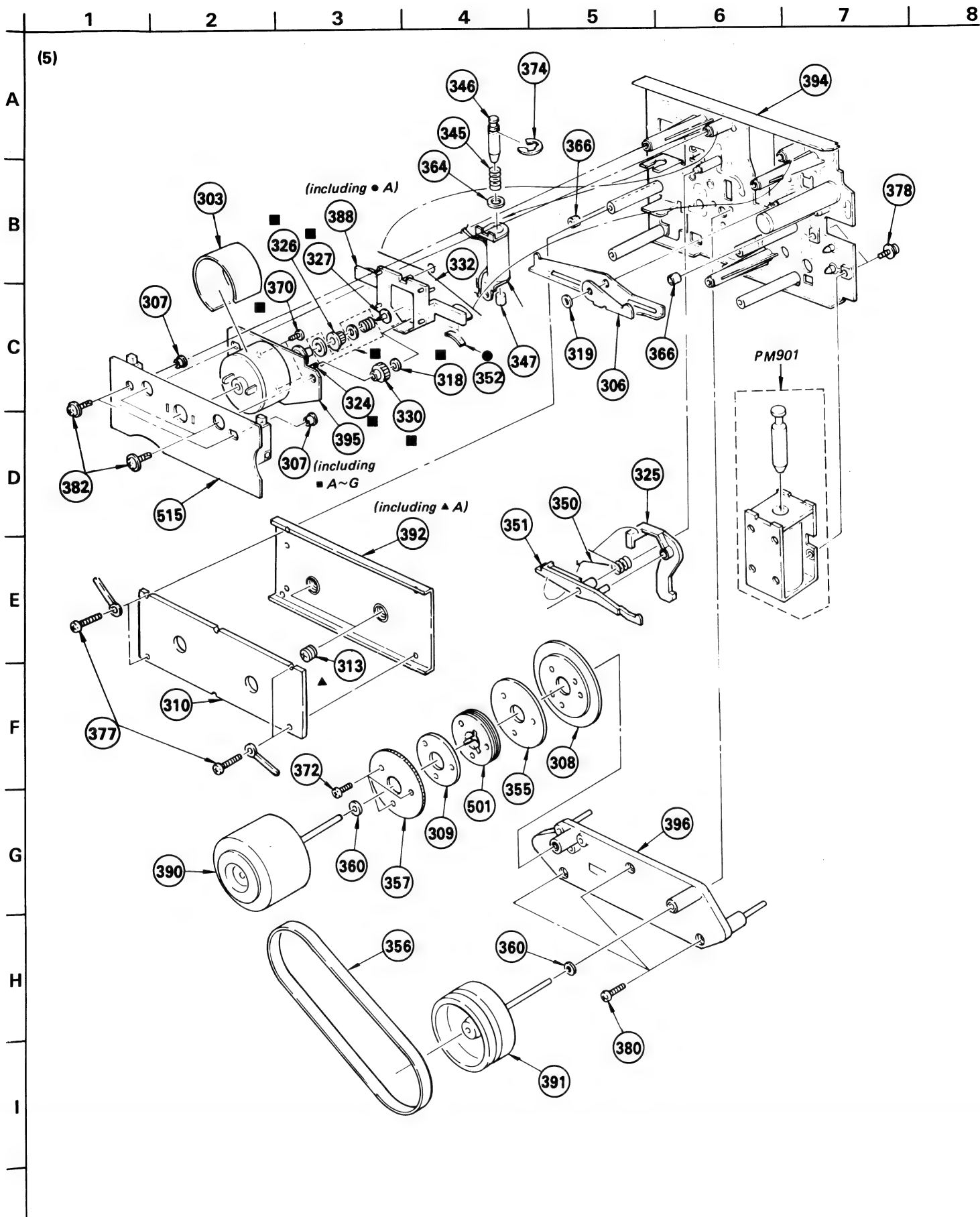
1 Ic

3 V₁₁₀, V₁₁









GENERAL SECTION		
No.	Part No.	Description
1	2-259-121-00	SCREW, TR
2	2-371-561-00	BUSHING (P), INSULATING
3	3-304-419-31	BUTTON, EJECT
4	*3-304-911-00	SLIDER, EJECT
5	3-304-926-11	KNOB (A), PUSH
6	3-304-927-11	KNOB (B), PUSH
7	3-304-929-11	KNOB, HEADPHONE
8	3-304-930-11	KNOB, BIAS
9	*3-304-935-00	CASE, SHIELD
10	*3-304-938-00	HOLDER, FL TUBE
11	*3-304-939-00	BRACKET, CONTROL BUTTON
12	*3-304-944-00	PLATE, SIDE, RIGHT
13	3-304-962-00	COVER, MD
14	*3-304-975-00	SHEET, ORNAMENTAL
15	3-304-985-01	PLATE, ORNAMENTAL, WINDOW
16	3-304-986-01	WINDOW, CASSETTE
17	*3-304-987-01	HEAT SINK
18	*3-304-988-01	PLATE, RERAY
19	*3-304-989-11	(Canadian, AEP)...PLATE, JACK
19	*3-304-989-21	(E).....PLATE, JACK
20	*3-304-990-01	PLATE, BOTTOM
21	3-304-992-01	LID, CASSETTE
22	*3-304-993-01	PLATE, SIDE, LEFT
23	*3-304-994-01	CHASSIS, AMPLIFIER
24	*3-310-859-00	HEAT SINK, IC
25	3-311-623-11	SPACER
26	3-534-238-XX	SPRING, TENSION
27	*3-567-242-00	HEAT SINK
28	*3-575-502-00	BRACKET, EJECT
29	3-575-515-41	KNOB, SLIDE SWITCH
30	3-575-524-00	COVER, POWER SWITCH
31	3-575-539-41	CASE
32	3-576-731-00	FELT (H)
33	3-646-090-11	RIVET, NYLON
34	
35	3-701-506-01	SET SCREW, DOUBLE POINT 3X4
36	*3-701-946-22	(Canadian)...LABEL, FUSE
36	*3-701-948-16	(AEP, E).....LABEL, FUSE
37	3-703-037-00	INSULATOR, TO-220
38	3-703-108-21	SCREW +BV 3X6, S TIGHT
39	3-703-244-00	BUSHING, CORD
40	3-703-249-01	SCREW, S TIGHT, +PTTWH 3X6
41	4-807-341-00	HOLDER, FUSE
42	4-820-330-31	SCREW, BW, PLUS MINUS

GENERAL SECTION		
No.	Part No.	Description
43	4-864-307-00	RING
44	7-621-775-10	SCREW +B 2.6X4
45	7-622-207-05	N 2.6, TYPE 2
46	7-682-247-09	SCREW +K 3X6
47	
48	7-682-546-09	SCREW +B 3X5
49	7-682-547-09	SCREW +B 3X6
50	7-682-949-09	SCREW +PSW 3X10
51	7-683-412-05	BOLT, HEXAGON SOCKET 2.6X6
52	7-685-134-19	SCREW +BTP 2.6X8 TYPE2 N-S
53	7-685-146-14	SCREW +P 3X8 TYPE2 SLIT
54	7-685-752-04	SCREW +BVTT 3X8 (S)
55	7-685-871-01	SCREW +BVTT 3X6 (S)
56	9-911-837-XX	CUSHION (A), FILTER
57	9-911-838-XX	CUSHION, STOPPER
58	9-911-841-XX	CUSHION
59	9-911-843-XX	CUSHION, FLYWHEEL
60	
61	X-3304-909-0	KNOB (RIGHT) ASSY, REC
62	X-3304-910-0	KNOB (LEFT) ASSY, REC
63	X-3304-911-0	KNOB ASSY, POWER
64	X-3304-916-0	BUTTON ASSY, CONTROL
65	X-3304-918-1	PANEL ASSY, FRONT
66	X-3304-919-1	ESCUTCHEON SUB ASSY
67	3-306-006-01	CUSHION, MOTOR
68	3-318-608-01	COVER, INSULATION
69	4-875-455-01	(AEP)....COVER CAPACITOR
69	4-875-455-21	(E).....COVER CAPACITOR
70	7-685-870-09	SCREW +BVTT 3X5 (S)

NOTE :

The mechanical parts with no reference number in the exploded views are not supplied.

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If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS :

All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers.
MF: μF , PF: $\mu\mu\text{F}$.

COILS

MMH : mH, UH : μH

SEMICONDUCTORS

In each case, U : μ , for example:
UA....: μA ..., UPA....: μPA ...,
UPC....: μPC ,
UPD....: μPD ...

ACCESSORY & PACKING MATERIAL

No.	Part No.	Description
101	1-551-734-11	CORD, CONNECTION (RK-74A)
102	3-304-956-00	SHEET, PROTECTION
103	3-304-973-00	SHEET, PROTECTION
104	3-304-996-01	CUSHION (LEFT), LOWER
105	3-304-997-01	CUSHION (RIGHT), LOWER
106	3-304-998-01	CUSHION (LEFT), UPPER
107	3-304-999-01	CUSHION (RIGHT), UPPER
108	*3-318-601-01	(AEP).....LABEL, MODEL NUMBER
108	*3-318-602-01	(Canadian)...LABEL, MODEL NUMBER
108	*3-318-603-01	(E).....LABEL, MODEL NUMBER
109	3-318-607-01	(Canadian,AEP)...INDIVIDUAL CARTON
109	3-318-608-01	(E).....INDIVIDUAL CARTON
110	3-701-630-00	BAG, POLYETHYLENE
111	3-703-710-41	STICKER, SONY SYMBOL (12)
112	3-773-737-11	(Canadian,AEP,E)...MANUAL, INSTRUCTION
113	3-773-737-41	(AEP).....MANUAL, INSTRUCTION
114	3-793-481-13	INSTRUCTION
115	3-793-828-11	QUESTIONNAIRE
116	8-890-454-10	(Canadian)....TAPE
117	X-3701-105-0	ROD ASSY, CLEANING, HEAD

MECHANISM SECTION

No.	Part No.	Description
301	3-304-639-00	PLATE, SHIELD, HEAD
302	*3-304-963-00	RETAINER, LEAD
303	3-306-209-00	PLATE (D), SHIELD, MOTOR
304	3-306-215-00	LEVER, FULCRUM, HOLDER
305	*3-306-216-00	BRACKET, HEAD, ERASE
306	*3-306-260-00	LEVER, FWD
307	3-306-277-00	LIFTER, PC BOARD
308	*3-310-831-01	PLATE, SHIELD, MOTOR
309	3-310-865-00	WASHER, INSULATING
310	*3-318-403-01	REINFORCEMENT
311	3-318-405-01	RETAINER, SPRING
312	3-318-406-01	PLATE, ORNAMENTAL, HEAD
313	3-489-073-21	SCREW, THRUST
314	3-491-191-00	COLLAR
315	3-537-213-00	SPRING, COMPRESSION
316	3-555-113-00	SPRING (RIGHT)
317	3-555-114-00	SPRING (LEFT)
318	3-558-708-11	WASHER, STOPPER
319	3-558-708-21	WASHER, STOPPER
320	3-564-027-11	FELT, LIMITER
321	3-564-121-00	SPRING, COMPRESSION
322	3-564-138-00	GUIDE (S), TAPE
323	3-571-850-11	SPRING, COMPRESSION
324	3-575-304-00	SHAFT, GEAR, FR
325	3-575-318-00	LEVER, LOCK, TUNING
326	3-575-324-00	GEAR, LIMITER
327	3-575-327-00	STOPPER
328	3-575-328-00	HOLDER, LAMP
329	3-575-331-00	LEVER, DETECTION, HALF
330	3-575-332-00	GEAR, FR
331	3-575-333-00	PISTON
332	3-575-345-00	SPRING
333	3-575-348-00	ROLLER, GUIDE, THREADING
334	3-575-350-00	CLAW, REEL TABLE
335	3-575-351-00	SPRING
336	3-575-354-00	LEVER, LOCK
337	3-575-355-31	HOLDER, CASSETTE
338	3-575-356-00	SPRING
339	3-575-358-00	SPRING, TENSION
340	3-575-364-00	SPRING, TENSION
341	3-575-365-00	SPRING, COMPRESSION
342	*3-575-377-00	SPRING
343	*3-575-378-00	GUIDE, LEAD
344	3-575-392-00	RING, PISTON
345	3-575-414-00	SPRING, COMPRESSION

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- All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF: μF , PF: μpF .

COILS

- MMH : mH, UH : μH

SEMICONDUCTORS

- In each case, U : μ , for example:
UA....: μA ..., UPA....: μPA ...,
UPC....: μPC ,
UPD....: μPD ...

MECHANISM SECTION

No.	Part No.	Description
346	3-575-415-11	ARBOR, MOVABLE
347	3-575-416-11	ARBOR, FIXED
348	3-575-447-00	TABLE, REEL
349	3-575-449-00	LEVER, DETECTION, REC
350	3-575-458-00	SPRING
351	3-575-460-00	LEVER, SELECT TUNE
352	3-575-469-00	SHOE, BRAKE
353	3-575-481-00	SPRING, TENSION
354	3-575-482-00	SPRING, TENSION
355	*3-576-810-00	PLATE, RETURN CIRCUIT
356	3-576-812-00	BELT, CAPSTAN
357	3-576-961-11	PLATE, FG
358	3-632-261-00	SPRING
359	3-650-542-00	SPRING, TENSION
360	3-701-438-21	WASHER
361	3-701-439-11	WASHER
362	3-701-439-21	WASHER
363	3-701-441-11	WASHER
364	3-701-444-11	WASHER, 6
365	3-701-467-00	SCREW, LOCK
366	4-855-109-12	RUBBER, LIFTER CUSHION
367	7-621-771-06	SCREW +B 2X5
368	7-621-772-10	SCREW +B 2X4
369	7-621-772-88	SCREW +B 2X16
370	7-621-775-10	SCREW +B 2.6X4
371	7-621-775-20	SCREW +B 2.6X5
372	7-621-775-60	SCREW +B 2.6X12
373	7-622-205-05	N 2, TYPE 2
374	7-624-109-04	STOP RING 5.0, TYPE -E
375	7-671-112-11	BALL, STEEL
376	7-671-113-11	BALL, STEEL
377	7-682-648-01	SCREW +PS*3X8
378	7-682-949-01	SCREW +PSW 3X10
379	7-684-023-04	N 3, TYPE 2
380	7-685-791-04	SCREW +BVTT 2.6X5 (S)
381	7-685-862-01	SCREW +BVTT 2.6X6 (S)
382	7-687-246-21	SCREW, TOTSU PTPWH 3X8, TYPE2
383	*X-3575-301-0	PLATE (A) ASSY, HOLDER FULCRUM
384	*X-3575-302-0	PLATE (B) ASSY, FULCRUM
385	X-3575-310-0	LEVER ASSY, TENSION, BACK
386	X-3575-321-0	PINCH LEVER (S) ASSY
387	X-3575-323-0	CHASSIS ASSY, HEAD
388	*X-3575-342-0	PLATE ASSY, BRAKE
389	X-3575-355-0	PLATE ASSY, ORNAMENTAL
390	X-3575-377-1	FLYWHEEL (TAKE-UP) ASSY

MECHANISM SECTION

No.	Part No.	Description
391	X-3575-378-1	FLYWHEEL (SUPPLY) ASSY
392	X-3575-379-1	RETAINER ASSY, THRUST
393	X-3575-380-1	PINCH LEVER (T) ASSY
394	*X-3575-381-1	CHASSIS ASSY, MECHANICAL
395	X-3575-382-1	MOTOR ASSY, REEL
396	X-3575-383-1	BASE ASSY, CAPSTAN
397	7-685-861-01	SCREW +BVTT 2.6X5

NOTE:

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- All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF: μF , PF: μF .

COILS

- MMH : mH, UH : μH

SEMICONDUCTORS

- In each case, U : μF , for example:
UA....: μA ..., UPA....: μPA ...,
UPC....: μPC ,
UPD....: μPD ...

ELECTRICAL PARTS

Ref.No.	Part No.	Description
501	1-459-426-00	COIL
502	1-535-506-00	(E).....CONNECTOR PRESS TERMINAK
503	*1-508-819-00	17MM BASE POST
504	*1-508-878-00	BASE POST
505	*1-535-116-00	TERMINAL
506	△.1-551-472-00	(E2).....CORD, POWER
506	△.1-555-734-00	(E1).....CORD, POWER
506	△.1-555-795-00	(AEP).....CORD, POWER
506	△.1-556-874-00	(Canadian)...CORD, POWER
507	*1-560-061-00	PIN, CONNECTOR 3P
508	*1-560-062-00	PIN, CONNECTOR 4P
509	*1-560-063-00	PIN, CONNECTOR 5P
510	*1-560-064-00	PIN, CONNECTOR 6P
511	*1-560-242-51	BUS BAR 7P
512	1-561-598-00	SOCKET 4P
513	*1-603-823-00	PC BOARD, PHOTO
514	*1-608-268-00	PC BOARD, ERASE HEAD
515	*1-611-789-11	PC BOARD, SWITCH
516	*A-2010-222-A	PC BOARD ASSY, AUDIO
517	*A-2019-165-A	PC BOARD ASSY, SYSTEM CONTROL
518	*1-611-792-11	PC BOARD, CONTROL SW
519	*1-611-793-11	PC BOARD, METER
C102	1-130-973-00	FILM 0.022MF 3% 100V
C103	1-124-326-11	ELECT 10MF 20% 50V
C104	1-130-893-00	FILM 0.027MF 3% 100V
C105	1-130-285-00	FILM 0.0033MF 5% 100V
C106	1-107-300-00	MICA 100PF 5% 100V
C107	1-130-273-00	FILM 0.001MF 5% 100V
C108	1-130-955-00	FILM 0.01MF 3% 100V
C109	1-130-892-00	FILM 0.015MF 3% 100V
C110	1-130-620-00	FILM 0.01MF 5% 50V
C111	1-130-633-00	FILM 0.12MF 5% 50V
C112	1-130-630-00	FILM 0.068MF 5% 50V
C113	1-130-637-00	FILM 0.27MF 5% 50V
C114	1-130-635-00	FILM 0.18MF 5% 50V
C115	1-130-625-00	FILM 0.027MF 5% 50V
C116	1-124-182-00	ELECT 1MF 20% 50V
C117	1-130-635-00	FILM 0.18MF 5% 50V
C118	1-130-630-00	FILM 0.068MF 5% 50V
C119	1-130-633-00	FILM 0.12MF 5% 50V
C120	1-124-182-00	ELECT 1MF 20% 50V
C121	1-124-324-00	ELECT 4.7MF 20% 50V
C122	1-124-323-00	ELECT 3.3MF 20% 50V
C123	1-107-300-00	MICA 100PF 5% 100V
C124	1-124-323-00	ELECT 3.3MF 20% 50V
C125	1-130-955-00	FILM 0.01MF 3% 100V

ELECTRICAL PARTS

Ref.No.	Part No.	Description
C126	1-130-892-00	FILM 0.015MF 3% 100V
C127	1-130-620-00	FILM 0.01MF 5% 50V
C128	1-130-633-00	FILM 0.12MF 5% 50V
C129	1-130-630-00	FILM 0.068MF 5% 50V
C130	1-130-637-00	FILM 0.27MF 5% 50V
C131	1-130-635-00	FILM 0.18MF 5% 50V
C132	1-130-625-00	FILM 0.027MF 5% 50V
C133	1-124-182-00	ELECT 1MF 20% 50V
C134	1-130-635-00	FILM 0.18MF 5% 50V
C135	1-130-630-00	FILM 0.068MF 5% 50V
C136	1-130-633-00	FILM 0.12MF 5% 50V
C137	1-124-182-00	ELECT 1MF 20% 50V
C138	1-124-324-00	ELECT 4.7MF 20% 50V
C139	1-124-324-00	ELECT 4.7MF 20% 50V
C140	1-124-323-00	ELECT 3.3MF 20% 50V
C141	1-123-307-00	ELECT 100MF 20% 10V
C142	1-130-633-00	FILM 0.12MF 5% 50V
C143	1-124-326-11	ELECT 10MF 20% 50V
C144	1-130-277-00	FILM 0.0015MF 5% 100V
C145	1-107-303-00	MICA 130PF 5% 100V
C146	1-107-300-00	MICA 100PF 5% 100V
C147	1-130-301-00	FILM 0.015MF 5% 100V
C148	1-130-625-00	FILM 0.027MF 5% 50V
C149	1-130-305-00	FILM 0.022MF 5% 100V
C150	1-130-629-00	FILM 0.056MF 5% 50V
C151	1-130-307-00	FILM 0.027MF 5% 100V
C152	1-130-627-00	FILM 0.039MF 5% 50V
C153	1-130-305-00	FILM 0.022MF 5% 100V
C154	1-130-285-00	FILM 0.0033MF 5% 100V
C155	1-124-184-00	ELECT 3.3MF 20% 50V
C156	1-123-369-00	ELECT 4.7MF 20% 50V
C157	1-124-270-11	ELECT 0.47MF 20% 50V
C158	1-162-037-00	CERAMIC 100PF 5% 50V
C202	1-130-973-00	FILM 0.022MF 3% 100V
C203	1-124-326-11	ELECT 10MF 20% 50V
C204	1-130-893-00	FILM 0.027MF 3% 100V
C205	1-130-285-00	FILM 0.0033MF 5% 100V
C206	1-107-300-00	MICA 100PF 5% 100V
C207	1-130-273-00	FILM 0.001MF 5% 100V
C208	1-130-955-00	FILM 0.01MF 3% 100V
C209	1-130-892-00	FILM 0.015MF 3% 100V
C210	1-130-620-00	FILM 0.01MF 5% 50V
C211	1-130-633-00	FILM 0.12MF 5% 50V
C212	1-130-630-00	FILM 0.068MF 5% 50V
C213	1-130-637-00	FILM 0.27MF 5% 50V

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CAPACITORS:

- All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF: μF , PF: μpF .

COILS

- MMH : mH, UH : μH

SEMICONDUCTORS

- In each case, U : μ , for example:
 UA... : μA ..., UPA... : μPA ..., UPC... : μPC ,
 UPD... : μPD ...

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C214	1-130-635-00	FILM	0.18MF	5%	50V
C215	1-130-625-00	FILM	0.027MF	5%	50V
C216	1-124-182-00	ELECT	1MF	20%	50V
C217	1-130-635-00	FILM	0.18MF	5%	50V
C218	1-130-630-00	FILM	0.068MF	5%	50V
C219	1-130-633-00	FILM	0.12MF	5%	50V
C220	1-124-182-00	ELECT	1MF	20%	50V
C221	1-124-324-00	ELECT	4.7MF	20%	50V
C222	1-124-323-00	ELECT	3.3MF	20%	50V
C223	1-107-300-00	MICA	100PF	5%	100V
C224	1-124-323-00	ELECT	3.3MF	20%	50V
C225	1-130-955-00	FILM	0.01MF	3%	100V
C226	1-130-892-00	FILM	0.015MF	3%	100V
C227	1-130-620-00	FILM	0.01MF	5%	50V
C228	1-130-633-00	FILM	0.12MF	5%	50V
C229	1-130-630-00	FILM	0.068MF	5%	50V
C230	1-130-637-00	FILM	0.27MF	5%	50V
C231	1-130-635-00	FILM	0.18MF	5%	50V
C232	1-130-625-00	FILM	0.027MF	5%	50V
C233	1-124-182-00	ELECT	1MF	20%	50V
C234	1-130-635-00	FILM	0.18MF	5%	50V
C235	1-130-630-00	FILM	0.068MF	5%	50V
C236	1-130-633-00	FILM	0.12MF	5%	50V
C237	1-124-182-00	ELECT	1MF	20%	50V
C238	1-124-324-00	ELECT	4.7MF	20%	50V
C239	1-124-324-00	ELECT	4.7MF	20%	50V
C240	1-124-323-00	ELECT	3.3MF	20%	50V
C241	1-123-307-00	ELECT	100MF	20%	10V
C242	1-130-633-00	FILM	0.12MF	5%	50V
C243	1-124-326-11	ELECT	10MF	20%	50V
C244	1-130-277-00	FILM	0.0015MF	5%	100V
C245	1-107-303-00	MICA	130PF	5%	100V
C246	1-107-300-00	MICA	100PF	5%	100V
C247	1-130-301-00	FILM	0.015MF	5%	100V
C248	1-130-625-00	FILM	0.027MF	5%	50V
C249	1-130-305-00	FILM	0.022MF	5%	100V
C250	1-130-629-00	FILM	0.056MF	5%	50V
C251	1-130-307-00	FILM	0.027MF	5%	100V
C252	1-130-627-00	FILM	0.039MF	5%	50V
C253	1-130-305-00	FILM	0.022MF	5%	100V
C254	1-130-285-00	FILM	0.0033MF	5%	100V
C255	1-124-184-00	ELECT	3.3MF	20%	50V
C256	1-123-369-00	ELECT	4.7MF	20%	50V
C257	1-124-270-11	ELECT	0.47MF	20%	50V
C258	1-162-037-00	CERAMIC	100PF	5%	50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C301	1-123-706-00	ELECT	470MF	20%	35V
C302	1-123-333-00	ELECT	100MF	20%	16V
C304	1-107-284-00	MICA	22PF	5%	100V
C305	1-123-706-00	ELECT	470MF	20%	35V
C306	1-131-450-00	TANTALUM	1MF	20%	50V
C307	1-123-706-00	ELECT	470MF	20%	35V
C308	1-123-333-00	ELECT	100MF	20%	16V
C310	1-107-284-00	MICA	22PF	5%	100V
C311	1-123-706-00	ELECT	470MF	20%	35V
C312	1-131-450-00	TANTALUM	1MF	20%	50V
C313	1-123-381-00	ELECT	2.2MF	20%	50V
C314	1-123-356-00	ELECT	10MF	20%	50V
C315	1-123-356-00	ELECT	10MF	20%	50V
C316	1-123-371-00	ELECT	22MF	20%	63V
C317	1-123-371-00	ELECT	22MF	20%	63V
C318	1-123-371-00	ELECT	22MF	20%	63V
C319	1-123-371-00	ELECT	22MF	20%	63V
C320	1-123-330-00	ELECT	22MF	20%	16V
C321	1-123-330-00	ELECT	22MF	20%	16V
C322	1-123-381-00	ELECT	2.2MF	20%	50V
C323	1-123-381-00	ELECT	2.2MF	20%	50V
C324	1-123-369-00	ELECT	4.7MF	20%	50V
C325	1-162-108-00	CERAMIC	680PF	10%	50V
C326	1-162-108-00	CERAMIC	680PF	10%	50V
C327	1-123-308-00	ELECT	220MF	20%	10V
C328	1-123-308-00	ELECT	220MF	20%	10V
C329	1-123-381-00	ELECT	2.2MF	20%	50V
C330	1-123-369-00	ELECT	4.7MF	20%	50V
C501	1-162-108-00	CERAMIC	680PF	10%	50V
C502	1-162-108-00	CERAMIC	680PF	10%	50V
C503	1-130-623-00	FILM	0.018MF	5%	50V
C504	1-131-501-00	TANTALUM	3.3MF	20%	10V
C505	1-162-112-00	CERAMIC	4700PF	30%	25V
C506	1-162-112-00	CERAMIC	4700PF	30%	25V
C507	1-162-112-00	CERAMIC	4700PF	30%	25V
C508	1-162-108-00	CERAMIC	680PF	10%	50V
C509	1-162-108-00	CERAMIC	680PF	10%	50V
C510	1-123-356-00	ELECT	10MF	20%	50V
C701	1-123-338-00	ELECT	2200MF	20%	25V
C702	1-123-356-00	ELECT	10MF	20%	16V
C703	1-123-321-00	ELECT	220MF	20%	16V
C704	1-123-356-00	ELECT	10MF	20%	16V
C705	1-123-310-00	ELECT	470MF	20%	10V
C706	1-123-380-00	ELECT	1MF	20%	50V
C707	1-123-298-00	ELECT	470MF	20%	6.3V

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

- All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF: μF , PF: μpF .

COILS

- MMH : mH, UH : μH

SEMICONDUCTORS

- In each case, U : μ , for example:
UA...: μA ..., UPA...: μPA ...,
UPC...: μPC ,
UPD...: μPD ...

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C708	1-123-364-00	ELECT	1000MF	20%	50V
C709	1-123-356-00	ELECT	10MF	20%	25V
C710	1-123-360-00	ELECT	100MF	20%	50V
C711	1-123-356-00	ELECT	10MF	20%	50V
C712	1-123-346-00	ELECT	220MF	20%	35V
C713	1-123-356-00	ELECT	10MF	20%	25V
C714	1-123-380-00	ELECT	1MF	20%	50V
C715	1-123-307-00	ELECT	100MF	20%	6.3V
C716	1-123-306-00	ELECT	47MF	20%	10V
C717	1-161-327-00	CERAMIC	0.0033MF	30%	50V
C718	1-161-327-00	CERAMIC	0.0033MF	30%	50V
C719	1-161-271-00	CERAMIC	100PF	5%	50V
C720	1-161-271-00	CERAMIC	100PF	5%	50V
C721	1-161-494-00	CERAMIC	0.022MF	30%	25V
C722	1-161-494-00	CERAMIC	0.022MF	30%	25V
C723	1-161-494-00	CERAMIC	0.022MF	30%	25V
C724	1-161-494-00	CERAMIC	0.022MF	30%	25V
C725	1-161-494-00	CERAMIC	0.022MF	30%	25V
C726	1-161-494-00	CERAMIC	0.022MF	30%	25V
C727	1-161-494-00	CERAMIC	0.022MF	30%	25V
C728	1-161-330-00	CERAMIC	0.01MF	30%	25V
C729	1-161-330-00	CERAMIC	0.01MF	30%	25V
C730	1-161-494-00	CERAMIC	0.022MF	30%	25V
C731	1-123-380-00	ELECT	1MF	20%	50V
C902	1-130-620-00	FILM	0.01MF	5%	50V
C903	1-130-624-00	FILM	0.022MF	5%	50V
C904	1-130-624-00	FILM	0.022MF	5%	50V
C905	1-130-620-00	FILM	0.01MF	5%	50V
C906	1-102-851-00	CERAMIC	15PF	5%	50V
C907	1-102-851-00	CERAMIC	15PF	5%	50V
C908	1-161-328-00	CERAMIC	0.0047MF	30%	50V
C909	1-130-140-00	FILM	0.039MF	5%	100V
C910	1-130-635-00	FILM	0.18MF	5%	50V
C911	1-130-631-00	FILM	0.082MF	5%	50V
C912	1-123-356-00	ELECT	10MF	20%	16V
C913	1-123-356-00	ELECT	10MF	20%	16V
C914	1-101-005-00	CERAMIC	0.022MF		50V
C915	1-101-005-00	CERAMIC	0.022MF		50V
C916	1-130-631-00	FILM	0.082MF	5%	50V
C917	1-130-628-00	FILM	0.047MF	5%	50V
C918	1-123-332-00	ELECT	47MF	20%	16V
C919	1-123-332-00	ELECT	47MF	20%	16V
C920	1-123-332-00	ELECT	47MF	20%	16V
C921	1-123-332-00	ELECT	47MF	20%	16V
C922	1-162-052-00	CERAMIC	22PF	5%	50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C923	1-162-052-00	CERAMIC	22PF	5%	50V
C924	1-123-333-00	ELECT	100MF	20%	16V
C925	1-123-333-00	ELECT	100MF	20%	16V
C926	1-124-554-00	ELECT	3300MF	20%	25V
C927	1-124-554-00	ELECT	3300MF	20%	25V
C928	1-123-306-00	ELECT	47MF	20%	10V
C929	1-123-306-00	ELECT	47MF	20%	10V
CNJ301	1-507-531-31	PLATE, PIN-JACK			
CNJ302	1-507-796-21	JACK			
CNP701*	1-560-060-00	PIN, CONNECTOR 2P			
CNP702*	1-560-061-00	PIN, CONNECTOR 3P			
CNP704*	1-560-062-00	PIN, CONNECTOR 4P			
CNP705*	1-560-062-00	PIN, CONNECTOR 4P			
CNP706*	1-560-063-00	PIN, CONNECTOR 5P			
CNP707*	1-560-064-00	PIN, CONNECTOR 6P			
CNP709*	1-560-065-00	PIN, CONNECTOR 8P			
CNP710*	1-560-065-00	PIN, CONNECTOR 8P			
CNP901*	1-560-061-00	PIN, CONNECTOR 3P			
CNP902*	1-560-339-00	PIN, CONNECTOR 9P			
CNP903*	1-508-879-00	BASE POST			
CP701	1-161-744-00	CAP, CERAMIC 10000PF FZ			
CP301	1-464-252-00	OSCILLATION UNIT, BIAS			
CT101	1-141-225-00	CAP, TUNING, TRIMAR			
CT201	1-141-225-00	CAP, TUNING, TRIMAR			
D301	8-719-910-64	DIODE HZ6B1L			
D302	8-719-910-64	DIODE HZ6B1L			
D303	8-719-107-94	DIODE 1SS202-1			
D304	8-719-910-19	DIODE HZ11C3L			
D305	8-719-107-94	DIODE 1SS202-1			
D306	8-719-107-94	DIODE 1SS202-1			
D307	8-719-910-64	DIODE HZ6B1L			
D501	8-719-102-97	DIODE RD12E-N2			
D502	8-719-102-97	DIODE RD12E-N2			
D503	8-719-910-64	DIODE HZ6B1L			
D504	8-719-911-19	DIODE 1SS202-1			
D505	8-719-911-19	DIODE 1SS202-1			
D506	8-719-102-97	DIODE RD12E-N2			
D507	8-719-994-54	DIODE HZ5C2			
D701	8-719-200-02	DIODE 10E-2			
D702	8-719-200-02	DIODE 10E-2			
D703	8-719-200-02	DIODE 10E-2			
D704	8-719-200-02	DIODE 10E-2			
D705	8-719-200-02	DIODE 10E-2			
D706	8-719-931-07	DIODE EQ801-07			
D707	8-719-922-71	DIODE HZ27-1L			

NOTE:

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- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

- All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF: μF , PF: $\mu\mu F$.

COILS

- MMH : mH, UH : μH

SEMICONDUCTORS

- In each case, U : μ , for example:
UA...: μA ..., UPA...: μPA ..., UPC...: μPC ,
UPD...: μPD ...

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
D708	8-719-910-41	DIODE HZ24-1L
D709	8-719-910-17	DIODE HZ11C1L
D710	8-719-910-69	DIODE HZ6C3L
D711	8-719-107-94	DIODE 1SS202-1
D712	8-719-107-94	DIODE 1SS202-1
D713	8-719-200-02	DIODE 10E-2
D714	8-719-200-02	DIODE 10E-2
D715	8-719-200-02	DIODE 10E-2
D716	8-719-902-25	DIODE SLR-34DU5
D717	8-719-902-33	DIODE SLR-34UR5
D718	8-719-902-77	DIODE SLR-34PC5
D719	8-719-200-02	DIODE 10E-2
D901	8-719-910-64	DIODE HZ6B1L
D902	8-719-910-64	DIODE HZ6B1L
D903	8-719-230-11	DIODE 30DF1-FA
D904	8-719-230-11	DIODE 30DF1-FA
D905	8-719-230-11	DIODE 30DF1-FA
D906	8-719-230-11	DIODE 30DF1-FA
D907	8-719-815-55	DIODE 1S1555
D908	8-719-815-55	DIODE 1S1555
F701A	1-532-555-00	(Canadian)...FUSE, GLASS TUBE
F701A	1-532-259-00	(AEP.E)...FUSE, GLASS TUBE
FL	1-519-247-00	INDICATOR TUBE, FLUORESCENT
HE	8-825-535-30	HEAD, ERASE (ES237-36C)
HRP	8-825-500-30	HEAD, REC/PB RPA230-3602
IC101	8-752-008-80	IC CX20088
IC102	8-752-008-70	IC CX20087
IC201	8-752-008-70	IC CX20087
IC202	8-752-008-80	IC CX20088
IC301	8-759-700-04	IC NJM2043D-D
IC302	8-759-745-60	IC NJM4560D
IC303	8-759-745-60	IC NJM4560D
IC304	8-759-145-58	IC UPC4558C
IC305	8-759-745-60	IC NJM4560D
IC306	8-759-961-38	IC BA6138
IC501	8-759-904-72	IC MSL9359RS
IC502	8-759-100-12	IC UPD554C-089
IC701	8-759-910-46	IC MB8841H-1264K
IC702	8-759-984-49	IC MB84049UB
IC703	8-759-984-49	IC MB84049UB
IC704	8-759-700-46	IC CX10034
IC901	8-759-145-58	IC UPC4558C
IC902	8-759-958-14	IC MSM58141RS
IC903	8-759-145-58	IC UPC4558C
IC904	8-759-102-17	IC CX10031A

ELECTRICAL PARTS

Ref.No.	Part No.	Description
L101	1-407-240-00	MICRO INDUCTOR 22MMH
L102	1-408-259-00	MICRO INDUCTOR 15MMH
L103	1-408-253-00	MICRO INDUCTOR 4.7MMH
L104	1-408-250-00	MICRO INDUCTOR 2.7MMH
L105	1-408-685-00	MICRO INDUCTOR 1.8MMH
L106	1-408-249-00	MICRO INDUCTOR 2.2MMH
L201	1-407-240-00	MICRO INDUCTOR 22MMH
L202	1-408-259-00	MICRO INDUCTOR 15MMH
L203	1-408-253-00	MICRO INDUCTOR 4.7MMH
L204	1-408-250-00	MICRO INDUCTOR 2.7MMH
L205	1-408-685-00	MICRO INDUCTOR 1.8MMH
L206	1-408-249-00	MICRO INDUCTOR 2.2MMH
L301	1-408-096-00	MICRO INDUCTOR 470UH
L302	1-408-096-00	MICRO INDUCTOR 470UH
L501	1-407-177-XX	MICRO INDUCTOR
LPF101	1-231-388-00	FILTER, LOWPASS
LPF201	1-231-388-00	FILTER, LOWPASS
PL301	1-518-489-21	LAMP, PILOT
PL302	1-518-489-21	LAMP, PILOT
PL901	1-518-313-00	LAMP, PILOT
PM901	1-454-333-00	SOLENOID, PLUNGER
PM902	1-454-291-00	SOLENOID, PLUNGER
Q101	8-729-100-13	TRANSISTOR 2SC2001
Q102	8-729-100-13	TRANSISTOR 2SC2001
Q201	8-729-100-13	TRANSISTOR 2SC2001
Q202	8-729-100-13	TRANSISTOR 2SC2001
Q301	8-769-111-00	TRANSISTOR 2SK120
Q302	8-729-167-62	TRANSISTOR 2SC2676
Q303	8-729-167-62	TRANSISTOR 2SC2676
Q304	8-729-141-43	TRANSISTOR 2SD414
Q305	8-769-111-00	TRANSISTOR 2SK120
Q306	8-729-113-82	TRANSISTOR 2SA1138
Q307	8-729-113-82	TRANSISTOR 2SA1138
Q308	8-729-154-83	TRANSISTOR 2SB548
Q311	8-729-245-83	TRANSISTOR 2SC2458
Q312	8-729-117-54	TRANSISTOR 2SA1175
Q313	8-729-245-83	TRANSISTOR 2SC2458
Q314	8-729-281-53	TRANSISTOR 2SC1815-GR
Q315	8-729-245-83	TRANSISTOR 2SC2458
Q316	8-729-245-83	TRANSISTOR 2SC2458
Q317	8-729-245-83	TRANSISTOR 2SC2458
Q501	8-729-900-65	TRANSISTOR DTA144ES
Q502	8-729-900-65	TRANSISTOR DTA144ES

ELECTRICAL PARTS

Ref.No.	Part No.	Description
Q503	8-729-900-89	TRANSISTOR DTC144ES
Q504	8-729-117-54	TRANSISTOR 2SA1175
Q505	8-729-117-54	TRANSISTOR 2SA1175
Q701	8-729-201-78	TRANSISTOR 2SD1406
Q702	8-729-201-78	TRANSISTOR 2SD1406
Q703	8-729-201-78	TRANSISTOR 2SD1406
Q704	8-729-201-78	TRANSISTOR 2SD1406
Q705	8-729-201-78	TRANSISTOR 2SD1406
Q706	8-729-245-83	TRANSISTOR 2SC2458
Q707	8-729-245-83	TRANSISTOR 2SC2458
Q708	8-729-245-83	TRANSISTOR 2SC2458
Q709	8-729-103-43	TRANSISTOR 2SB734
Q710	8-729-103-43	TRANSISTOR 2SB734
Q711	8-729-201-78	TRANSISTOR 2SD1406
Q712	8-729-195-23	TRANSISTOR 2SB808
Q713	8-729-195-23	TRANSISTOR 2SB808
Q714	8-729-100-13	TRANSISTOR 2SC2001
Q715	8-729-100-13	TRANSISTOR 2SC2001
Q716	8-729-900-80	TRANSISTOR DTC114ES
Q717	8-729-102-03	TRANSISTOR 2SD1020
Q718	8-729-102-03	TRANSISTOR 2SD1020
Q719	8-729-900-80	TRANSISTOR DTC114ES
Q720	8-729-900-80	TRANSISTOR DTC114ES
Q721	8-729-900-80	TRANSISTOR DTC114ES
Q722	8-729-900-80	TRANSISTOR DTC114ES
Q723	8-729-900-80	TRANSISTOR DTC114ES
Q724	8-729-900-80	TRANSISTOR DTC114ES
Q725	8-729-900-80	TRANSISTOR DTC114ES
Q726	8-729-900-80	TRANSISTOR DTC144ES
Q727	8-729-900-80	TRANSISTOR DTA114ES
Q728	8-729-245-83	TRANSISTOR 2SC2458
Q901	8-729-245-83	TRANSISTOR 2SC2458
Q902	8-729-180-93	TRANSISTOR 2SD809
Q903	8-729-173-13	TRANSISTOR 2SB731
Q904	8-729-245-83	TRANSISTOR 2SC2458
Q905	8-729-117-54	TRANSISTOR 2SA1175
Q906	8-729-245-83	TRANSISTOR 2SC2458
Q907	8-729-117-54	TRANSISTOR 2SA1175
Q908	8-729-110-21	TRANSISTOR PH102
Q909	8-729-110-21	TRANSISTOR PH102
R101	1-214-777-00	METAL 100K 1% 1/4W
R102	1-214-709-00	METAL 150 1% 1/4W
R103	1-214-746-00	METAL 5.1K 1% 1/4W
R104	1-214-780-00	METAL 130K 1% 1/4W
R105	1-214-735-00	METAL 1.8K 1% 1/4W
R106	1-214-736-00	METAL 2K 1% 1/4W

ELECTRICAL PARTS

Ref.No.	Part No.	Description
R107	1-247-179-00	CARBON 100K 5% 1/4W
R108	1-247-155-00	CARBON 10K 5% 1/4W
R109	1-247-171-00	CARBON 47K 5% 1/4W
R110	1-214-737-00	METAL 2.2K 1% 1/4W
R111	1-214-723-00	METAL 560 1% 1/4W
R112	1-214-753-00	METAL 10K 1% 1/4W
R113	1-214-744-00	METAL 4.3K 1% 1/4W
R114	1-214-739-00	METAL 2.7K 1% 1/4W
R115	1-246-537-00	CARBON 470K 5% 1/4W
R116	1-247-123-00	CARBON 470 5% 1/4W
R117	1-214-776-00	METAL 91K 1% 1/4W
R118	1-247-138-00	CARBON 2K 5% 1/4W
R119	1-247-148-00	CARBON 5.1K 5% 1/4W
R120	1-247-171-00	CARBON 47K 5% 1/4W
R121	1-246-530-00	CARBON 240K 5% 1/4W
R122	1-246-528-00	CARBON 200K 5% 1/4W
R123	1-246-529-00	CARBON 220K 5% 1/4W
R124	1-247-145-00	CARBON 3.9K 5% 1/4W
R125	1-246-529-00	CARBON 220K 5% 1/4W
R126	1-246-528-00	CARBON 200K 5% 1/4W
R127	1-247-120-00	CARBON 360 5% 1/4W
R128	1-247-145-00	CARBON 3.9K 5% 1/4W
R129	1-247-171-00	CARBON 47K 5% 1/4W
R130	1-214-763-00	METAL 27K 1% 1/4W
R131	1-214-751-00	METAL 8.2K 1% 1/4W
R132	1-247-151-00	CARBON 6.8K 5% 1/4W
R133	1-247-145-00	CARBON 3.9K 5% 1/4W
R134	1-247-143-00	CARBON 3.3K 5% 1/4W
R135	1-247-151-00	CARBON 6.8K 5% 1/4W
R136	1-247-171-00	CARBON 47K 5% 1/4W
R137	1-247-171-00	CARBON 47K 5% 1/4W
R138	1-214-721-00	METAL 470 1% 1/4W
R139	1-214-753-00	METAL 10K 1% 1/4W
R140	1-214-744-00	METAL 4.3K 1% 1/4W
R141	1-214-739-00	METAL 2.7K 1% 1/4W
R142	1-246-537-00	CARBON 470K 5% 1/4W
R143	1-247-123-00	CARBON 470 5% 1/4W
R144	1-214-776-00	METAL 91K 1% 1/4W
R145	1-247-138-00	CARBON 2K 5% 1/4W
R146	1-247-148-00	CARBON 5.1K 5% 1/4W
R147	1-247-171-00	CARBON 47K 5% 1/4W
R148	1-246-530-00	CARBON 240K 5% 1/4W
R149	1-246-528-00	CARBON 200K 5% 1/4W
R150	1-246-529-00	CARBON 220K 5% 1/4W
R151	1-247-145-00	CARBON 3.9K 5% 1/4W

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

- All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF: μF , PF: μpF .

COILS

- MMH : mH, UH : μH

SEMICONDUCTORS

- In each case, U : μ , for example: UA...: μA ..., UPA...: μPA ..., UPC...: μPC , UPD...: μPD ...

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

- All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF: μF , PF: μpF .

COILS

- MMH : mH, UH : μH

SEMICONDUCTORS

- In each case, U : μ , for example: UA...: μA ..., UPA...: μPA ..., UPC...: μPC , UPD...: μPD ...

ELECTRICAL PARTS						
Ref.No.	Part No.	Description				
R152	1-246-529-00	CARBON	220K	5%	1/4W	
R153	1-246-528-00	CARBON	200K	5%	1/4W	
R154	1-247-120-00	CARBON	360	5%	1/4W	
R155	1-247-145-00	CARBON	3.9K	5%	1/4W	
R156	1-214-757-00	METAL	15K	1%	1/4W	
R157	1-247-171-00	CARBON	47K	5%	1/4W	
R158	1-214-741-00	METAL	3.3K	1%	1/4W	
R159	1-247-131-00	CARBON	1K	5%	1/4W	
R160	1-247-163-00	CARBON	22K	5%	1/4W	
R161	1-247-171-00	CARBON	47K	5%	1/4W	
R162	1-214-755-00	METAL	12K	1%	1/4W	
R163	1-214-737-00	METAL	2.2K	1%	1/4W	
R164	1-214-763-00	METAL	27K	1%	1/4W	
R165	1-214-761-00	METAL	22K	1%	1/4W	
R166	1-214-739-00	METAL	2.7K	1%	1/4W	
R167	1-247-115-00	CARBON	220	5%	1/4W	
R168	1-247-157-00	CARBON	12K	5%	1/4W	
R169	1-247-109-00	CARBON	120	5%	1/4W	
R170	1-247-147-00	CARBON	4.7K	5%	1/4W	
R171	1-247-143-00	CARBON	3.3K	5%	1/4W	
R172	1-247-111-00	CARBON	150	5%	1/4W	
R173	1-246-533-00	CARBON	330K	5%	1/4W	
R174	1-247-133-00	CARBON	1.2K	5%	1/4W	
R175	1-247-109-00	CARBON	120	5%	1/4W	
R176	1-247-141-00	CARBON	2.7K	5%	1/4W	
R177	1-247-141-00	CARBON	2.7K	5%	1/4W	
R178	1-214-733-00	METAL	1.5K	1%	1/4W	
R179	1-247-163-00	CARBON	22K	5%	1/4W	
R180	1-247-163-00	CARBON	22K	5%	1/4W	
R181	1-214-735-00	METAL	1.8K	1%	1/4W	
R182	1-247-139-00	CARBON	2.2K	5%	1/4W	
R183	1-247-091-00	CARBON	22	5%	1/4W	
R184	1-246-525-00	CARBON	150K	5%	1/4W	
R185	1-247-155-00	CARBON	10K	5%	1/4W	
R186	1-247-133-00	CARBON	1.2K	5%	1/4W	
R187	1-247-163-00	CARBON	22K	5%	1/4W	
R188	1-246-529-00	CARBON	220K	5%	1/4W	
R189	1-247-115-00	CARBON	220	5%	1/4W	
R201	1-214-777-00	METAL	100K	1%	1/4W	
R202	1-214-709-00	METAL	150	1%	1/4W	
R203	1-214-746-00	METAL	5.1K	1%	1/4W	
R204	1-214-780-00	METAL	130K	1%	1/4W	
R205	1-214-735-00	METAL	1.8K	1%	1/4W	
R206	1-214-736-00	METAL	2K	1%	1/4W	
R207	1-247-179-00	CARBON	100K	5%	1/4W	

ELECTRICAL PARTS						
Ref.No.	Part No.	Description				
R208	1-247-155-00	CARBON	10K	5%	1/4W	
R209	1-247-171-00	CARBON	47K	5%	1/4W	
R210	1-214-737-00	METAL	2.2K	1%	1/4W	
R211	1-214-723-00	METAL	560	1%	1/4W	
R212	1-214-753-00	METAL	10K	1%	1/4W	
R213	1-214-744-00	METAL	4.3K	1%	1/4W	
R214	1-214-739-00	METAL	2.7K	1%	1/4W	
R215	1-246-537-00	CARBON	470K	5%	1/4W	
R216	1-247-123-00	CARBON	470	5%	1/4W	
R217	1-214-776-00	METAL	91K	1%	1/4W	
R218	1-247-138-00	CARBON	2K	5%	1/4W	
R219	1-247-148-00	CARBON	5.1K	5%	1/4W	
R220	1-247-171-00	CARBON	47K	5%	1/4W	
R221	1-246-530-00	CARBON	240K	5%	1/4W	
R222	1-246-528-00	CARBON	200K	5%	1/4W	
R223	1-246-529-00	CARBON	220K	5%	1/4W	
R224	1-247-145-00	CARBON	3.9K	5%	1/4W	
R225	1-246-529-00	CARBON	220K	5%	1/4W	
R226	1-246-528-00	CARBON	200K	5%	1/4W	
R227	1-247-120-00	CARBON	360	5%	1/4W	
R228	1-247-145-00	CARBON	3.9K	5%	1/4W	
R229	1-247-171-00	CARBON	47K	5%	1/4W	
R230	1-214-763-00	METAL	27K	1%	1/4W	
R231	1-214-751-00	METAL	8.2K	1%	1/4W	
R232	1-247-151-00	CARBON	6.8K	5%	1/4W	
R233	1-247-145-00	CARBON	3.9K	5%	1/4W	
R234	1-247-143-00	CARBON	3.3K	5%	1/4W	
R235	1-247-151-00	CARBON	6.8K	5%	1/4W	
R236	1-247-171-00	CARBON	47K	5%	1/4W	
R237	1-247-171-00	CARBON	47K	5%	1/4W	
R238	1-214-721-00	METAL	470	1%	1/4W	
R239	1-214-753-00	METAL	10K	1%	1/4W	
R240	1-214-744-00	METAL	4.3K	1%	1/4W	
R241	1-214-739-00	METAL	2.7K	1%	1/4W	
R242	1-246-537-00	CARBON	470K	5%	1/4W	
R243	1-247-123-00	CARBON	470	5%	1/4W	
R244	1-214-776-00	METAL	91K	1%	1/4W	
R245	1-247-138-00	CARBON	2K	5%	1/4W	
R246	1-247-148-00	CARBON	5.1K	5%	1/4W	
R247	1-247-171-00	CARBON	47K	5%	1/4W	
R248	1-246-530-00	CARBON	240K	5%	1/4W	
R249	1-246-528-00	CARBON	200K	5%	1/4W	
R250	1-246-529-00	CARBON	220K	5%	1/4W	
R251	1-247-145-00	CARBON	3.9K	5%	1/4W	
R252	1-246-529-00	CARBON	220K	5%	1/4W	

ELECTRICAL PARTS						
Ref.No.	Part No.	Description				
R253	1-246-528-00	CARBON	200K	5%	1/4W	
R254	1-247-120-00	CARBON	360	5%	1/4W	
R255	1-247-145-00	CARBON	3.9K	5%	1/4W	
R256	1-214-757-00	METAL	15K	1%	1/4W	
R257	1-247-171-00	CARBON	47K	5%	1/4W	
R258	1-214-741-00	METAL	3.3K	1%	1/4W	
R259	1-247-131-00	CARBON	1K	5%	1/4W	
R260	1-247-163-00	CARBON	22K	5%	1/4W	
R261	1-247-171-00	CARBON	47K	5%	1/4W	
R262	1-214-755-00	METAL	12K	1%	1/4W	
R263	1-214-737-00	METAL	2.2K	1%	1/4W	
R264	1-214-763-00	METAL	27K	1%	1/4W	
R265	1-214-761-00	METAL	22K	1%	1/4W	
R266	1-214-739-00	METAL	2.7K	1%	1/4W	
R267	1-247-115-00	CARBON	220	5%	1/4W	
R268	1-247-157-00	CARBON	12K	5%	1/4W	
R269	1-247-109-00	CARBON	120	5%	1/4W	
R270	1-247-147-00	CARBON	4.7K	5%	1/4W	
R271	1-247-143-00	CARBON	3.3K	5%	1/4W	
R272	1-247-111-00	CARBON	150	5%	1/4W	
R273	1-246-533-00	CARBON	330K	5%	1/4W	
R274	1-247-133-00	CARBON	1.2K	5%	1/4W	
R275	1-247-109-00	CARBON	120	5%	1/4W	
R276	1-247-141-00	CARBON	2.7K	5%	1/4W	
R277	1-247-141-00	CARBON	2.7K	5%	1/4W	
R278	1-214-733-00	METAL	1.5K	1%	1/4W	
R279	1-247-163-00	CARBON	22K	5%	1/4W	
R280	1-247-163-00	CARBON	22K	5%	1/4W	
R281	1-214-735-00	METAL	1.8K	1%	1/4W	
R282	1-247-139-00	CARBON	2.2K	5%	1/4W	
R283	1-247-091-00	CARBON	22	5%	1/4W	
R284	1-246-525-00	CARBON	150K	5%	1/4W	
R285	1-247-155-00	CARBON	10K	5%	1/4W	
R286	1-247-133-00	CARBON	1.2K	5%	1/4W	
R287	1-247-163-00	CARBON	22K	5%	1/4W	
R288	1-246-529-00	CARBON	220K	5%	1/4W	
R289	1-247-115-00	CARBON	220	5%	1/4W	
R301	1-247-171-00	CARBON	47K	5%	1/4W	
R302	1-247-143-00	CARBON	3.3K	5%	1/4W	
R303	1-214-858-00	METAL	560	1%	1/2W	
R304	1-214-864-00	METAL	1K	1%	1/2W	
R305	1-247-171-00	CARBON	47K	5%	1/4W	
R306	1-247-143-00	CARBON	3.3K	5%	1/4W	
R307	1-214-858-00	METAL	560	1%	1/2W	
R308	1-214-864-00	METAL	1K	1%	1/2W	

ELECTRICAL PARTS						
Ref.No.	Part No.	Description				
R309	1-247-171-00	CARBON	47K	5%	1/4W	
R310	1-247-171-00	CARBON	47K	5%	1/4W	
R311	1-247-147-00	CARBON	4.7K	5%	1/4W	
R312	1-247-171-00	CARBON	47K	5%	1/4W	
R313	1-247-155-00	CARBON	10K	5%	1/4W	
R314	1-247-147-00	CARBON	4.7K	5%	1/4W	
R315	1-247-153-00	CARBON	8.2K	5%	1/4W	
R316	1-247-131-00	CARBON	1K	5%	1/4W	
R317	1-247-155-00	CARBON	10K	5%	1/4W	
R318	1-247-171-00	CARBON	47K	5%	1/4W	
R319	1-247-107-00	CARBON	100	5%	1/4W	
R320	1-247-107-00	CARBON	100	5%	1/4W	
R321	1-247-143-00	CARBON	3.3K	5%	1/4W	
R322	1-247-171-00	CARBON	47K	5%	1/4W	
R323	1-247-171-00	CARBON	47K	5%	1/4W	
R324	1-247-171-00	CARBON	47K	5%	1/4W	
R325	1-247-171-00	CARBON	47K	5%	1/4W	
R326	1-247-171-00	CARBON	47K	5%	1/4W	
R327	1-247-155-00	CARBON	10K	5%	1/4W	
R328	1-244-835-00	CARBON	27	5%	1/2W	
R329	1-247-179-00	CARBON	100K	5%	1/4W	
R330	1-247-179-00	CARBON	100K	5%	1/4W	
R331	1-247-179-00	CARBON	100K	5%	1/4W	
R332	1-247-171-00	CARBON	47K	5%	1/4W	
R333	1-247-171-00	CARBON	47K	5%	1/4W	
R334	1-247-171-00	CARBON	47K	5%	1/4W	
R335	1-247-131-00	CARBON	1K	5%	1/4W	
R336	1-247-163-00	CARBON	22K	5%	1/4W	
R337	1-247-171-00	CARBON	47K	5%	1/4W	
R338	1-247-147-00	CARBON	4.7K	5%	1/4W	
R501	1-247-875-00	CARBON	68K	5%	1/6W	
R502	1-247-875-00	CARBON	68K	5%	1/6W	
R503	1-247-855-00	CARBON	10K	5%	1/6W	
R504	1-247-855-00	CARBON	10K	5%	1/6W	
R505	1-247-863-00	CARBON	22K	5%	1/6W	
R506	1-247-887-00	CARBON	220K	5%	1/6W	
R507	1-247-855-00	CARBON	10K	5%	1/6W	
R508	1-247-855-00	CARBON	10K	5%	1/6W	
R509	1-247-863-00	CARBON	22K	5%	1/6W	
R510	1-247-855-00	CARBON	10K	5%	1/6W	
R511	1-247-855-00	CARBON	10K	5%	1/6W	
R512	1-247-863-00	CARBON	22K	5%	1/6W	
R513	1-247-887-00	CARBON	220K	5%	1/6W	
R514	1-247-875-00	CARBON	68K	5%	1/6W	
R515	1-247-859-00	CARBON	270	5%	1/2W	

ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R701	A.1-212-971-00	FUSIBLE	36	5%	1/2W	F
R702	1-247-141-00	CARBON	2.7K	5%	1/4W	
R703	A.1-213-059-00	FUSIBLE	9.1	5%	1W	F
R704	1-247-152-00	CARBON	7.5K	5%	1/4W	
R705	A.1-217-387-00	FUSIBLE	10	5%	1/4W	F
R706	1-247-131-00	CARBON	1K	5%	1/4W	
R707	1-247-831-00	CARBON	1K	5%	1/6W	
R708	1-247-846-00	CARBON	4.3K	5%	1/6W	
R709	A.1-206-463-00	METAL OXIDE	10	5%	2W	F
R710	A.1-206-477-00	METAL OXIDE	39	5%	2W	F
R711	1-247-155-00	CARBON	10K	5%	1/4W	
R713	1-247-131-00	CARBON	1K	5%	1/4W	
R714	1-247-179-00	CARBON	100K	5%	1/4W	
R715	1-247-871-00	CARBON	47K	5%	1/6W	
R716	1-247-131-00	CARBON	1K	5%	1/4W	
R717	1-247-831-00	CARBON	1K	5%	1/6W	
R718	1-247-871-00	CARBON	47K	5%	1/6W	
R719	1-247-131-00	CARBON	1K	5%	1/4W	
R720	1-247-831-00	CARBON	1K	5%	1/6W	
R721	1-247-831-00	CARBON	1K	5%	1/6W	
R722	1-247-831-00	CARBON	1K	5%	1/6W	
R723	1-247-131-00	CARBON	1K	5%	1/4W	
R724	1-247-131-00	CARBON	1K	5%	1/4W	
R725	1-247-133-00	CARBON	1.2K	5%	1/4W	
R726	1-247-128-00	CARBON	750	5%	1/4W	
R727	A.1-217-383-00	FUSIBLE	4.7	5%	1/4W	F
R728	1-247-179-00	CARBON	100K	5%	1/4W	
R729	1-247-179-00	CARBON	100K	5%	1/4W	
R730	1-246-537-00	CARBON	470K	5%	1/4W	
R731	1-246-537-00	CARBON	470K	5%	1/4W	
R732	1-247-877-00	CARBON	82K	5%	1/6W	
R733	1-247-877-00	CARBON	82K	5%	1/6W	
R734	1-247-877-00	CARBON	82K	5%	1/6W	
R735	1-247-877-00	CARBON	82K	5%	1/6W	
R736	1-247-877-00	CARBON	82K	5%	1/6W	
R738	1-247-155-00	CARBON	10K	5%	1/4W	
R739	1-247-147-00	CARBON	4.7K	5%	1/4W	
R740	1-247-131-00	CARBON	1K	5%	1/4W	
R741	1-247-131-00	CARBON	1K	5%	1/4W	
R742	1-247-131-00	CARBON	1K	5%	1/4W	
R743	1-247-131-00	CARBON	1K	5%	1/4W	
R744	1-247-131-00	CARBON	1K	5%	1/4W	
R745	1-247-131-00	CARBON	1K	5%	1/4W	
R746	1-247-131-00	CARBON	1K	5%	1/4W	
R747	1-247-163-00	CARBON	22K	5%	1/4W	

ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R748	1-247-163-00	CARBON	22K	5%	1/4W	
R749	1-247-163-00	CARBON	22K	5%	1/4W	
R750	1-247-163-00	CARBON	22K	5%	1/4W	
R751	1-247-163-00	CARBON	22K	5%	1/4W	
R752	1-247-163-00	CARBON	22K	5%	1/4W	
R753	1-247-163-00	CARBON	22K	5%	1/4W	
R754	1-247-163-00	CARBON	22K	5%	1/4W	
R755	1-247-163-00	CARBON	22K	5%	1/4W	
R756	1-247-163-00	CARBON	22K	5%	1/4W	
R757	1-247-163-00	CARBON	22K	5%	1/4W	
R758	1-247-855-00	CARBON	10K	5%	1/6W	
R759	1-247-163-00	CARBON	22K	5%	1/4W	
R760	1-247-163-00	CARBON	22K	5%	1/4W	
R761	1-247-163-00	CARBON	22K	5%	1/4W	
R762	1-247-163-00	CARBON	22K	5%	1/4W	
R763	1-247-163-00	CARBON	22K	5%	1/4W	
R764	1-247-163-00	CARBON	22K	5%	1/4W	
R765	1-247-163-00	CARBON	22K	5%	1/4W	
R766	1-247-163-00	CARBON	22K	5%	1/4W	
R767	1-247-131-00	CARBON	1K	5%	1/4W	
R768	1-247-147-00	CARBON	4.7K	5%	1/4W	
R769	1-247-147-00	CARBON	4.7K	5%	1/4W	
R770	1-247-163-00	CARBON	22K	5%	1/4W	
R771	1-247-163-00	CARBON	22K	5%	1/4W	
R772	1-247-115-00	CARBON	220	5%	1/4W	
R773	1-247-123-00	CARBON	470	5%	1/4W	
R774	1-247-117-00	CARBON	270	5%	1/4W	
R776	1-247-163-00	CARBON	22K	5%	1/4W	
R777	1-247-879-00	CARBON	100K	5%	1/6W	
R779	1-247-196-00	CARBON	15	5%	1/2W	
R901	1-247-831-00	CARBON	1K	5%	1/6W	
R902	1-247-831-00	CARBON	1K	5%	1/6W	
R903	1-247-873-00	CARBON	56K	5%	1/6W	
R904	1-247-831-00	CARBON	1K	5%	1/6W	
R905	1-247-850-00	CARBON	6.2K	5%	1/6W	
R906	1-247-857-00	CARBON	12K	5%	1/6W	
R907	1-247-879-00	CARBON	100K	5%	1/6W	
R908	1-247-902-00	CARBON	910K	5%	1/6W	
R909	1-247-855-00	CARBON	10K	5%	1/6W	
R910	1-247-855-00	CARBON	10K	5%	1/6W	
R911	1-214-765-00	METAL	33K	1%	1/4W	
R912	1-247-895-00	CARBON	470K	5%	1/6W	
R913	1-247-899-00	CARBON	680K	5%	1/6W	
R914	1-247-871-00	CARBON	47K	5%	1/6W	
R915	1-247-879-00	CARBON	100K	5%	1/6W	

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:


- All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF: μF , PF: μpF .


COILS

- MMH : mH, UH : μH

SEMICONDUCTORS

- In each case, U : μ , for example:
UA....: μA ..., UPA....: μPA ..., UPC....: μPC ,
UPD....: μPD ...

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R916	1-247-841-00	CARBON	2.7K	5%	1/6W
R917	1-247-850-00	CARBON	6.2K	5%	1/6W
R918	1-247-877-00	CARBON	82K	5%	1/6W
R919	1-247-771-00	CARBON	3.3	5%	1/6W
R920	1-247-771-00	CARBON	3.3	5%	1/6W
R921	1-247-855-00	CARBON	10K	5%	1/6W
R922	1-247-855-00	CARBON	10K	5%	1/6W
R923	1-247-831-00	CARBON	1K	5%	1/6W
R924	1-247-855-00	CARBON	10K	5%	1/6W
R925	1-247-831-00	CARBON	1K	5%	1/6W
R926	1-247-877-00	CARBON	82K	5%	1/6W
R927	1-247-847-00	CARBON	4.7K	5%	1/6W
R928	1-247-855-00	CARBON	10K	5%	1/6W
R929	1-247-839-00	CARBON	2.2K	5%	1/6W
R930	1-247-839-00	CARBON	2.2K	5%	1/6W
R931	1-247-831-00	CARBON	1K	5%	1/6W
R932	1-247-831-00	CARBON	1K	5%	1/6W
R933	1-247-827-00	CARBON	680	5%	1/6W
R934	1-247-827-00	CARBON	680	5%	1/6W
R935	1-247-843-00	CARBON	3.3K	5%	1/6W
R936	1-247-843-00	CARBON	3.3K	5%	1/6W
R937	1-247-843-00	CARBON	3.3K	5%	1/6W
R938	1-247-843-00	CARBON	3.3K	5%	1/6W
R939	1-247-871-00	CARBON	47K	5%	1/6W
R940	1-247-871-00	CARBON	47K	5%	1/6W
R941	1-217-383-00	FUSIBLE	4.7	5%	1/4W F
R942	1-217-383-00	FUSIBLE	4.7	5%	1/4W F
RV101	1-224-251-XX	RES, ADJ, METAL GLAZE	4.7K		
RV102	1-224-251-XX	RES, ADJ, METAL GLAZE	4.7K		
RV103	1-226-236-00	RES, ADJ, CARBON	10K		
RV201	1-224-251-XX	RES, ADJ, METAL GLAZE	4.7K		
RV202	1-224-251-XX	RES, ADJ, METAL GLAZE	4.7K		
RV203	1-226-236-00	RES, ADJ, CARBON	10K		
RV301	1-230-344-11	RES, VAR, CARBON	20K/20K		
RV302	1-226-980-00	RES, VAR, CARBON	20K/20K		
RV303	1-226-560-00	RES, VAR, CARBON	5K		
RV701	1-226-233-00	RES, ADJ, CARBON	1K		
RV901	1-224-252-XX	RES, ADJ, METAL GLAZE	10K		
RV902	1-226-232-00	RES, ADJ, CARBON	500		
RV903	1-226-239-00	RES, ADJ, CARBON	100K		
RV904	1-226-232-00	RES, ADJ, CARBON	500		
RV905	1-226-239-00	RES, ADJ, CARBON	100K		
RY301	1-515-519-00	RELAY			

ELECTRICAL PARTS

Ref.No.	Part No.	Description
S301	1-554-007-00	SWITCH, PUSH
S302	1-554-008-00	SWITCH, PUSH
S701	1-553-318-00	SWITCH, PUSH (AC POWER) (1 KEY)
S702	1-552-809-00	SWITCH, SLIDE
S703	1-552-539-00	SWITCH, KEY BOARD
S704	1-552-539-00	SWITCH, KEY BOARD
S705	1-552-539-00	SWITCH, KEY BOARD
S706	1-552-539-00	SWITCH, KEY BOARD
S707	1-552-539-00	SWITCH, KEY BOARD
S708	1-552-539-00	SWITCH, KEY BOARD
S709	1-552-539-00	SWITCH, KEY BOARD
S710	1-553-235-00	SWITCH, KEY BOARD
S711	1-553-235-00	SWITCH, KEY BOARD
S901	1-553-325-00	SWITCH
S902	1-554-205-00	SWITCH, PUSH
S903	1-554-205-00	SWITCH, PUSH
SP301	1-532-605-00	LINK, IC
SP302	1-532-605-00	LINK, IC
SP701	1-532-605-00	LINK, IC
SPK101	1-235-323-11	ENCAPSULATED PARTS (SPK UNIT)
SPK102	1-235-323-11	ENCAPSULATED PARTS (SPK UNIT)
SPK201	1-235-323-11	ENCAPSULATED PARTS (SPK UNIT)
SPK202	1-235-323-11	ENCAPSULATED PARTS (SPK UNIT)
T701	1-447-896-11	(CANADIAN).....TRANSFORMER, POWER
T701	1-447-897-11	(AEP).....TRANSFORMER, POWER
T701	1-447-898-11	(E).....TRANSFORMER, POWER
X701	1-527-802-00	OSCILLATOR, CERAMIC
X901	1-567-082-00	VIBRATOR, CRYSTAL

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COILS

- MMH : mH, UH : μH

SEMICONDUCTORS

- In each case, U : μ , for example:
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UPD....: μPD ...

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

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Sony Corporation